AKA energy group, llc.
southern ute indian tribe

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JAN 30 2020
Enforcement and Compliance
Assurance Division

UPS# 1ZE93A020198202997

January 29, 2020

USEPA Region VIII Director
Air & Toxics Technical Enforcement Program
Office of Enforcement, Compliance and Environmental Justice, Mail Code 8ENF-AT
1595 Wynkoop Street, Denver CO 80202-1129

RE: Semi-annual Reports (NSPS Subparts OOOO & OOOOa)
Gilcrest Gas Plant (Permit#07WE0881)

Dear Sir or Madam:

Attached are Semi-annual Reports (SAR) covering the Leak Detection and Repair program (LDAR) for the Gilcrest Gas Plant, located in Weld County, Colorado. The reports cover the period from July 1, 2019 through December 31, 2019, and include LDAR programs for the following regulations:

- NSPS Subpart OOOO

Reporting for NSPS Subpart OOOOa has been completed through the EPA's Compliance and Emissions Data Reporting (CEDRI) system pursuant to 40CFR§60.5422a(b).

To meet the requirements of 40CFR§60.4(a), 40CFR§60.487 and Colorado Regulation Number 6, these reports have been submitted in duplicate to the Colorado Department of Public Health & Environment.

Please let me know if you need further information or have additional questions. I may be reached by email at *gstahnke@akaenergy.com*, or by phone at (720) 946-0244.

Sincerely,

Graham Stahnke
Sr. Environmental Compliance Specialist
Aka Energy Group, LLC

Attachments

cc: Colorado Department of Public Health & Environment, APCD-SS-B1, 4300 Cherry Creek Drive South, Denver, CO 80246
(UPS Tracking# 1ZE93A020191452640)

STANDARDS OF PERFORMANCE FOR VOC EQUIPMENT LEAKS
SEMI-ANNUAL REPORT (40 CFR 60) Subpart: EPA60-OOOO

Company: AKA ENERGY - GILCREST **Compliance Group:** CO2 Membrane Process

Reporting Period: 7/1/2019 Through 12/31/2019 1/5/2020

Semiannual Monitoring Results 40 CFR 60.5422 40 CFR 60.487 Reporting Requirements		*July*	*August*	*September*	*October*	*November*	*December*
60.5422(a) & 60.487a (c)(2)(i)	No. Valves Leaks Detected	0	0	0	0	0	0
60.5422(a) & 60.487a (c)(2)(ii)	Not Repaired <= 15 Days	0	0	0	0	0	0
60.5422(a) & 60.487a (c)(2)(iii)	No. Pump Leaks Detected	0	0	0	0	0	0
60.5422(a) & 60.487a (c)(2)(iv)	Not Repaired <= 15 Days	0	0	0	0	0	0
60.5422(a) & 60.487a (c)(2)(vii)	No. Connector Leaks Detected	0	0	0	0	0	0
60.5422(a) & 60.487a (c)(2)(viii)	Not Repaired <= 15 Days	0	0	0	0	0	0
60.5422(c)(1) & 60.5401(b)(2)	No. Relief Device Leaks Detected	0	0	0	0	0	0
60.5422(c)(2) & 60.5401 (b)(3)	Not Repaired <= 15 Days	0	0	0	0	0	0

Dates & Details of Process Unit Shutdowns During Reporting Period
40 CFR 60.5422(a) & 40 CFR 60.487a (c)(2) & (c)(4)

Month	*# of Days*	*Comments About Outage/Shutdown/Turnaround*
July		
August		
September		
October	5	Full Shutdown from 10/21/19 (08:00 AM) through 10/25/19 (11:00 AM)
November		
December		

60.5422(a), 60.487 (b)(3) - (b)(5), and 60.5401(b) - Reporting of Inventory Revisions

Reportable Inventory Components	Previous Period Ending: 6/30/2019	Current Period Ending: 12/31/2019
Valves - (Excluding No Detectable Emission) 60.5422(a) & 60.487a (b)(2)	47	47
Pumps - (Excluding Dual-Seal and Closed Vent) 60.5422(a) & 60.487a (b)(3)	0	0
Connectors 60.5422(a) & and 60.487a (b)(5)	137	137
Pressure Relief Devices that Vent to Atmosphere 60.5422(a) & 60.5401 (b)	0	0

Added / Deleted Summary by Regulation (R602r)

Report Date: 1/5/2020

Report Parameters

Reg: EPA60-OOOO
Compliance Grp: CO2 Membrane Process
Class: All Component Classes

Date: 7/1/2019 - 12/31/2019

Compliance Group	Class Description	Added	Deleted
CO2 Membrane Process	CONNECTOR	0	0
CO2 Membrane Process	POTENTIAL OPEN END	0	0
CO2 Membrane Process	PRESSURE RELIEF DEVICE	1	1
CO2 Membrane Process	VALVE	0	0

STANDARDS OF PERFORMANCE FOR VOC EQUIPMENT LEAKS
SEMI-ANNUAL REPORT (40 CFR 60) Subpart: EPA60-OOOO

Company: AKA ENERGY - GILCREST **Compliance Group:** Compression Process

Reporting Period: 7/1/2019 Through 12/31/2019 1/5/2020

Semiannual Monitoring Results 40 CFR 60.5422 40 CFR 60.487 Reporting Requirements		*July*	*August*	*September*	*October*	*November*	*December*
60.5422(a) & 60.487a (c)(2)(i)	No. Valves Leaks Detected	0	3	0	0	4	1
60.5422(a) & 60.487a (c)(2)(ii)	Not Repaired <= 15 Days	0	0	0	0	0	1
60.5422(a) & 60.487a (c)(2)(iii)	No. Pump Leaks Detected	0	0	0	0	0	0
60.5422(a) & 60.487a (c)(2)(iv)	Not Repaired <= 15 Days	0	0	0	0	0	0
60.5422(a) & 60.487a (c)(2)(vii)	No. Connector Leaks Detected	0	0	0	0	1	0
60.5422(a) & 60.487a (c)(2)(viii)	Not Repaired <= 15 Days	0	0	0	0	0	0
60.5422(c)(1) & 60.5401(b)(2)	No. Relief Device Leaks Detected	0	0	0	0	0	0
60.5422(c)(2) & 60.5401 (b)(3)	Not Repaired <= 15 Days	0	0	0	0	0	0

Dates & Details of Process Unit Shutdowns During Reporting Period
40 CFR 60.5422(a) & 40 CFR 60.487a (c)(2) & (c)(4)

Month	*# of Days*	*Comments About Outage/Shutdown/Turnaround*
July		
August		
September		
October	5	Full Shutdown from 10/21/19 (08:00 AM) through 10/25/19 (11:00 AM)
November		
December		

60.5422(a), 60.487 (b)(3) - (b)(5), and 60.5401(b) - Reporting of Inventory Revisions

Reportable Inventory Components	Previous Period Ending: 6/30/2019	Current Period Ending: 12/31/2019
Valves - (Excluding No Detectable Emission) 60.5422(a) & 60.487a (b)(2)	364	365
Pumps - (Excluding Dual-Seal and Closed Vent) 60.5422(a) & 60.487a (b)(3)	4	4
Connectors 60.5422(a) & and 60.487a (b)(5)	2,535	2,486
Pressure Relief Devices that Vent to Atmosphere 60.5422(a) & 60.5401 (b)	0	0

Added / Deleted Summary by Regulation (R602r)

Report Date: 1/5/2020

Report Parameters

Reg: EPA60-OOOO
Compliance Grp: Compression Process
Class: All Component Classes

Date: 7/1/2019 - 12/31/2019

Compliance Group	Class Description	Added	Deleted
Compression Process	COMPRESSOR	0	0
Compression Process	CONNECTOR	2	51
Compression Process	POTENTIAL OPEN END	0	0
Compression Process	PRESSURE RELIEF DEVICE	1	2
Compression Process	PUMP	0	0
Compression Process	VALVE	2	1

Compliance Repair Delay Report

Report Date: 7/1/2019 to 12/31/2019

Print Date: 1/27/2020 5:20:12PM

Plant: AKA ENERGY - GILCREST

Regulation: EPA60-OOOO

Compliance Group: Compression Process

Tag and Drawing	Class	Stream ID Stream	Inspection Date	Placed on Delay	Reason for Delay	Documentation	Expected Repair	Removed FromDelay
1326 2523	VALVE	0031 0031 V-290 Debut Reflux Acc to Gas CMP C 1-5	12/19/2019	12/31/2019	PROCEESS UNIT SHUTDOWN REQUIRED	PER RUDY QUIROZ	1/31/2020	1/21/2020

Number of Components Delayed for Compliance Group Compression Process - 1

Signature of Owner or Operator Responsible for Delay of Repair Decision

STANDARDS OF PERFORMANCE FOR VOC EQUIPMENT LEAKS
SEMI-ANNUAL REPORT (40 CFR 60) Subpart: EPA60-OOOO

Company: AKA ENERGY - GILCREST **Compliance Group:** Cryogenic Process

Reporting Period: 7/1/2019 Through 12/31/2019 1/5/2020

Semiannual Monitoring Results 40 CFR 60.5422 40 CFR 60.487 Reporting Requirements		*July*	*August*	*September*	*October*	*November*	*December*
60.5422(a) & 60.487a (c)(2)(i)	No. Valves Leaks Detected	1	0	0	3	0	1
60.5422(a) & 60.487a (c)(2)(ii)	Not Repaired <= 15 Days	1	0	0	0	0	0
60.5422(a) & 60.487a (c)(2)(iii)	No. Pump Leaks Detected	0	0	0	0	0	0
60.5422(a) & 60.487a (c)(2)(iv)	Not Repaired <= 15 Days	0	0	0	0	0	0
60.5422(a) & 60.487a (c)(2)(vii)	No. Connector Leaks Detected	0	0	0	0	0	0
60.5422(a) & 60.487a (c)(2)(viii)	Not Repaired <= 15 Days	0	0	0	0	0	0
60.5422(c)(1) & 60.5401(b)(2)	No. Relief Device Leaks Detected	0	0	0	0	0	0
60.5422(c)(2) & 60.5401 (b)(3)	Not Repaired <= 15 Days	0	0	0	0	0	0

Dates & Details of Process Unit Shutdowns During Reporting Period
40 CFR 60.5422(a) & 40 CFR 60.487a (c)(2) & (c)(4)

Month	*# of Days*	*Comments About Outage/Shutdown/Turnaround*
July		
August		
September		
October	5	Full Shutdown from 10/21/19 (08:00 AM) through 10/25/19 (11:00 AM)
November		
December		

60.5422(a), 60.487 (b)(3) - (b)(5), and 60.5401(b) - Reporting of Inventory Revisions

Reportable Inventory Components	Previous Period Ending: 6/30/2019	Current Period Ending: 12/31/2019
Valves - (Excluding No Detectable Emission) 60.5422(a) & 60.487a (b)(2)	273	275
Pumps - (Excluding Dual-Seal and Closed Vent) 60.5422(a) & 60.487a (b)(3)	4	4
Connectors 60.5422(a) & and 60.487a (b)(5)	934	932
Pressure Relief Devices that Vent to Atmosphere 60.5422(a) & 60.5401 (b)	0	0

Added / Deleted Summary by Regulation (R602r)

Report Date: 1/5/2020

Report Parameters

Reg: EPA60-OOOO
Compliance Grp: Cryogenic Process
Class: All Component Classes

Date: 7/1/2019 - 12/31/2019

Compliance Group	Class Description	Added	Deleted
Cryogenic Process	CONNECTOR	2	4
Cryogenic Process	POTENTIAL OPEN END	0	0
Cryogenic Process	PRESSURE RELIEF DEVICE	0	0
Cryogenic Process	PUMP	0	0
Cryogenic Process	VALVE	7	5

Compliance Repair Delay Report

Report Date: 7/1/2019 to 12/31/2019

Print Date: 1/5/2020 3:33:28PM

Plant: AKA ENERGY - GILCREST

Regulation: EPA60-OOOO

Compliance Group: Cryogenic Process

Tag and Drawing	Class	Stream ID Stream	Inspection Date	Placed on Delay	Reason for Delay	Documentation	Expected Repair	Removed From Delay
1622 2525	VALVE	0030 0030 E-440 Deeth Htr toT-1100 Deeth OVHD	7/15/2019	7/22/2019	PROCESS UNIT SHUTDOWN REQUIRED TO REPAIR	PER STEVE NESTOR	11/30/2019	10/21/2019

Number of Components Delayed for Compliance Group Cryogenic Process - 1

Signature of Owner or Operator Responsible for Delay of Repair Decision

STANDARDS OF PERFORMANCE FOR VOC EQUIPMENT LEAKS
SEMI-ANNUAL REPORT (40 CFR 60) Subpart: EPA60-OOOO

Company: AKA ENERGY - GILCREST **Compliance Group:** Inlet Gas Process

Reporting Period: 7/1/2019 Through 12/31/2019 1/5/2020

Semiannual Monitoring Results 40 CFR 60.5422 40 CFR 60.487 Reporting Requirements		*July*	*August*	*September*	*October*	*November*	*December*
60.5422(a) & 60.487a (c)(2)(i)	No. Valves Leaks Detected	0	4	0	5	1	0
60.5422(a) & 60.487a (c)(2)(ii)	Not Repaired <= 15 Days	0	0	0	3	0	0
60.5422(a) & 60.487a (c)(2)(iii)	No. Pump Leaks Detected	0	0	0	0	0	0
60.5422(a) & 60.487a (c)(2)(iv)	Not Repaired <= 15 Days	0	0	0	0	0	0
60.5422(a) & 60.487a (c)(2)(vii)	No. Connector Leaks Detected	0	0	0	7	1	0
60.5422(a) & 60.487a (c)(2)(viii)	Not Repaired <= 15 Days	0	0	0	3	1	0
60.5422(c)(1) & 60.5401(b)(2)	No. Relief Device Leaks Detected	0	1	0	0	0	0
60.5422(c)(2) & 60.5401 (b)(3)	Not Repaired <= 15 Days	0	0	0	0	0	0

Dates & Details of Process Unit Shutdowns During Reporting Period
40 CFR 60.5422(a) & 40 CFR 60.487a (c)(2) & (c)(4)

Month	*# of Days*	*Comments About Outage/Shutdown/Turnaround*
July		
August		
September		
October	5	Full Shutdown from 10/21/19 (08:00 AM) through 10/25/19 (11:00 AM)
November		
December		

60.5422(a), 60.487 (b)(3) - (b)(5), and 60.5401(b) - Reporting of Inventory Revisions

Reportable Inventory Components	Previous Period Ending: 6/30/2019	Current Period Ending: 12/31/2019
Valves - (Excluding No Detectable Emission) 60.5422(a) & 60.487a (b)(2)	526	529
Pumps - (Excluding Dual-Seal and Closed Vent) 60.5422(a) & 60.487a (b)(3)	1	1
Connectors 60.5422(a) & and 60.487a (b)(5)	1,197	1,203
Pressure Relief Devices that Vent to Atmosphere 60.5422(a) & 60.5401 (b)	0	0

Added / Deleted Summary by Regulation (R602r)

Report Date: 1/5/2020

Report Parameters

Reg: EPA60-OOOO
Compliance Grp: Inlet Gas Process
Class: All Component Classes

Date: 7/1/2019 - 12/31/2019

Compliance Group	Class Description	Added	Deleted
Inlet Gas Process	CONNECTOR	9	3
Inlet Gas Process	POTENTIAL OPEN END	1	0
Inlet Gas Process	PRESSURE RELIEF DEVICE	0	0
Inlet Gas Process	PUMP	0	0
Inlet Gas Process	VALVE	6	3

Compliance Repair Delay Report

Report Date: 7/1/2019 to 12/31/2019

Print Date: 1/27/2020 5:20:14PM

Plant: AKA ENERGY - GILCREST

Regulation: EPA60-OOOO

Compliance Group: Inlet Gas Process

Tag and Drawing	Class	Stream ID Stream	Inspection Date	Placed on Delay	Reason for Delay	Documentation	Expected Repair	Removed FromDelay
2478.03 2540	CONECT	0057 0057 NGL Y-Grade-Pumps30A/B Debut To Storage Tks	10/10/2019		REPAIR COMPLETED DURING PLANT SHUTDOWN WITHIN 15 DAYS OF LEAK DISCOVERY AND METHOD 21 RETESTED WITHIN 15 DAYS OF BRINGING PLANT BACK ONLINE	PER GRAHAM STAHNKE	10/24/2019	10/29/2019
2580.02 2509	CONECT	0034 0034 Inlet Gas-Regen Gas HTR H-750toV-110 Dehy	10/11/2019		REPAIR COMPLETED DURING PLANT SHUTDOWN WITHIN 15 DAYS OF LEAK DISCOVERY AND METHOD 21 RETESTED WITHIN 15 DAYS OF BRINGING PLANT BACK ONLINE	PER GRAHAM STAHNKE	10/23/2019	10/29/2019
0575.03 2523	CONECT	0038 0038 Cond Vapor-CMP C-250 VaporSkid toCMP C1-5	10/16/2019	10/29/2019	PROCESS UNIT SHUTDOWN REQUIRED TO REPAIR	PER RUDY QUIROZ	10/26/2020	
2475.01 2540	CONECT	0057 0057 NGL Y-Grade-Pumps30A/B Debut To Storage Tks	11/19/2019	11/27/2019	PROCESS UNIT SHUTDOWN REQUIRED	PER RUDY QUIROZ	9/30/2020	
2448 2542	VALVE	0046-48 0046-48 Free Water K/O V-109 to CondDrum V-270	10/10/2019		REPAIR COMPLETED DURING PLANT SHUTDOWN WITHIN 15 DAYS OF LEAK DISCOVERY AND METHOD 21 RETESTED WITHIN 15 DAYS OF BRINGING PLANT BACK ONLINE	PER GRAHAM STAHNKE	10/24/2019	10/29/2019
2514 2542	VALVE	0065 0065 V-275 CondHeater/Treater toV-235 Cond Storage	10/11/2019		REPAIR COMPLETED DURING PLANT SHUTDOWN WITHIN 15 DAYS OF LEAK DISCOVERY AND METHOD 21 RETESTED WITHIN 15 DAYS OF BRINGING PLANT BACK ONLINE	PER GRAHAM STAHNKE	10/24/2019	10/29/2019
2544 2542	VALVE	0076 0076 Permeate Gas 100%	10/11/2019		REPAIR COMPLETED DURING PLANT SHUTDOWN WITHIN 15 DAYS OF LEAK DISCOVERY AND METHOD 21 RETESTED WITHIN 15 DAYS OF BRINGING PLANT BACK ONLINE	PER GRAHAM STAHNKE	10/23/2019	10/29/2019

Compliance Repair Delay Report

Report Date: 7/1/2019 to 12/31/2019

Print Date: 1/27/2020 5:20:14PM

Plant: AKA ENERGY - GILCREST

Regulation: EPA60-OOOO

Compliance Group: Inlet Gas Process

Tag and Drawing	Class	Stream ID Stream	Inspection Date	Placed on Delay	Reason for Delay	Documentation	Expected Repair	Removed FromDelay

Number of Components Delayed for Compliance Group Inlet Gas Process - 7

Signature of Owner or Operator Responsible for Delay of Repair Decision

STANDARDS OF PERFORMANCE FOR VOC EQUIPMENT LEAKS
SEMI-ANNUAL REPORT (40 CFR 60) Subpart: EPA60-OOOO

Company: AKA ENERGY - GILCREST **Compliance Group:** NGL Y Grade Storage and Handlin

Reporting Period: 7/1/2019 Through 12/31/2019 1/5/2020

Semiannual Monitoring Results 40 CFR 60.5422 40 CFR 60.487 Reporting Requirements		*July*	*August*	*September*	*October*	*November*	*December*
60.5422(a) & 60.487a (c)(2)(i)	No. Valves Leaks Detected	0	0	0	0	4	0
60.5422(a) & 60.487a (c)(2)(ii)	Not Repaired <= 15 Days	0	0	0	0	2	0
60.5422(a) & 60.487a (c)(2)(iii)	No. Pump Leaks Detected	0	1	0	1	2	0
60.5422(a) & 60.487a (c)(2)(iv)	Not Repaired <= 15 Days	0	0	0	0	1	0
60.5422(a) & 60.487a (c)(2)(vii)	No. Connector Leaks Detected	0	0	0	1	17	0
60.5422(a) & 60.487a (c)(2)(viii)	Not Repaired <= 15 Days	0	0	0	0	11	0
60.5422(c)(1) & 60.5401(b)(2)	No. Relief Device Leaks Detected	0	0	0	0	2	0
60.5422(c)(2) & 60.5401 (b)(3)	Not Repaired <= 15 Days	0	0	0	0	0	0

Dates & Details of Process Unit Shutdowns During Reporting Period
40 CFR 60.5422(a) & 40 CFR 60.487a (c)(2) & (c)(4)

Month	*# of Days*	*Comments About Outage/Shutdown/Turnaround*
July		
August		
September		
October	5	Full Shutdown from 10/21/19 (08:00 AM) through 10/25/19 (11:00 AM)
November		
December		

60.5422(a), 60.487 (b)(3) - (b)(5), and 60.5401(b) - Reporting of Inventory Revisions

Reportable Inventory Components	Previous Period Ending: 6/30/2019	Current Period Ending: 12/31/2019
Valves - (Excluding No Detectable Emission) 60.5422(a) & 60.487a (b)(2)	338	338
Pumps - (Excluding Dual-Seal and Closed Vent) 60.5422(a) & 60.487a (b)(3)	8	8
Connectors 60.5422(a) & and 60.487a (b)(5)	1,189	1,185
Pressure Relief Devices that Vent to Atmosphere 60.5422(a) & 60.5401 (b)	0	0

Added / Deleted Summary by Regulation (R602r)

Report Date: 1/5/2020

Report Parameters

Reg: EPA60-OOOO

Compliance Grp: NGL Y Grade Storage and Handling Process

Date: 7/1/2019 - 12/31/2019

Class: All Component Classes

Compliance Group	Class Description	Added	Deleted
NGL Y Grade Storage and Handling Process	CONNECTOR	2	6
NGL Y Grade Storage and Handling Process	POTENTIAL OPEN END	2	0
NGL Y Grade Storage and Handling Process	PRESSURE RELIEF DEVICE	0	0
NGL Y Grade Storage and Handling Process	PUMP	0	0
NGL Y Grade Storage and Handling Process	VALVE	1	1

Compliance Repair Delay Report

Report Date: 7/1/2019 to 12/31/2019

Print Date: 1/27/2020 5:20:14PM

Plant: AKA ENERGY - GILCREST

Regulation: EPA60-OOOO

Compliance Group: NGL Y Grade Storage and Handling Process

Tag and Drawing	Class	Stream ID Stream	Inspection Date	Placed on Delay	Reason for Delay	Documentation	Expected Repair	Removed FromDelay
2922.01 2519A	CONECT	0057 0057 NGL Y-Grade-Pumps30A/B Debut To Storage Tks	11/8/2019	11/21/2019	PROCESS UNIT SHUTDOWN REQUIRED	PER ALAN BARTELS	9/30/2020	
2967.01 2519A	CONECT	0060 0060 NGL Y-Grade Gasoline - P-6 To Truck Load Rack	11/14/2019	11/25/2019	PROCESS UNIT SHUTDOWN REQUIRED	PER ALAN BARTELS	9/30/2020	
2979.11 2519	CONECT	0060 0060 NGL Y-Grade Gasoline - P-6 To Truck Load Rack	11/14/2019	11/25/2019	PROCESS UNIT SHUTDOWN REQUIRED	PER ALAN BARTELS	9/30/2020	
3035.02 2519	CONECT	0060 0060 NGL Y-Grade Gasoline - P-6 To Truck Load Rack	11/18/2019	11/25/2019	PROCESS UNIT SHUTDOWN REQUIRED	PER ALAN BARTELS	9/30/2020	
3037.01 2519	CONECT	0060 0060 NGL Y-Grade Gasoline - P-6 To Truck Load Rack	11/18/2019	11/25/2019	PROCESS UNIT SHUTDOWN REQUIRED	PER ALAN BARTELS	9/30/2020	
3037.02 2519	CONECT	0060 0060 NGL Y-Grade Gasoline - P-6 To Truck Load Rack	11/18/2019	11/25/2019	PROCESS UNIT SHUTDOWN REQUIRED	PER ALAN BARTELS	9/30/2020	
3038.01 2519	CONECT	0060 0060 NGL Y-Grade Gasoline - P-6 To Truck Load Rack	11/19/2019	11/25/2019	PROCESS UNIT SHUTDOWN REQUIRED	PER ALAN BARTELS	9/30/2020	
2979.01 2519	CONECT	0060 0060 NGL Y-Grade Gasoline - P-6 To Truck Load Rack	11/24/2019	11/27/2019	PROCESS UNIT SHUTDOWN REQUIRED	PER RUDY QUIROZ	9/30/2020	
2910.04 2519A	POE	0062 0062 NGL Y-Grade - Pump P-4 To Truck Loading Rack	11/8/2019	11/21/2019	PROCESS UNIT SHUTDOWN REQUIRED	PER ALAN BARTELS	9/30/2020	

Compliance Repair Delay Report

Report Date: 7/1/2019 to 12/31/2019

Print Date: 1/27/2020 5:20:14PM

Plant: AKA ENERGY - GILCREST

Regulation: EPA60-OOOO

Compliance Group: NGL Y Grade Storage and Handling Process

Tag and Drawing	Class	Stream ID Stream	Inspection Date	Placed on Delay	Reason for Delay	Documentation	Expected Repair	Removed From Delay
3037.03 2519	POE	0060 0060 NGL Y-Grade Gasoline - P-6 To Truck Load Rack	11/19/2019	11/25/2019	PROCESS UNIT SHUTDOWN REQUIRED	PER ALAN BARTELS	9/30/2020	
3041.02 2519	POE	0062 0062 NGL Y-Grade - Pump P-4 To Truck Loading Rack	11/19/2019	11/25/2019	PROCESS UNIT SHUTDOWN REQUIRED	PER ALAN BARTELS	9/30/2020	
2848.00 2519	PUMP	0061 0061 NGL Y-Grade - Pump P-5 To Truck Loading Rack	11/14/2019		REPAIR COMPLETED WITHIN 15 DAYS OF LEAK DISCOVERY AND LDAR TESTING CONTRACTOR NOT AVAILABLE FOR RETESTING UNTIL 12/4/19 WHEN LEAK PASSED WITH METHOD 21	PER GRAHAM STAHNKE	11/27/2019	11/27/2019
2961 2519A	VALVE	0060 0060 NGL Y-Grade Gasoline - P-6 To Truck Load Rack	11/14/2019	11/25/2019	PROCESS UNIT SHUTDOWN REQUIRED	PER ALAN BARTELS	9/30/2020	
3047 2519	VALVE	0061 0061 NGL Y-Grade - Pump P-5 To Truck Loading Rack	11/19/2019	11/25/2019	PROCESS UNIT SHUTDOWN REQUIRED	PER ALAN BARTELS	9/30/2020	

Number of Components Delayed for Compliance Group NGL Y Grade Storage and Handling Process - 14

Signature of Owner or Operator Responsible for Delay of Repair Decision

STANDARDS OF PERFORMANCE FOR VOC EQUIPMENT LEAKS
SEMI-ANNUAL REPORT (40 CFR 60) Subpart: EPA60-OOOO

Company: AKA ENERGY - GILCREST **Compliance Group:** Refrigeration Process

Reporting Period: 7/1/2019 Through 12/31/2019 1/5/2020

Semiannual Monitoring Results 40 CFR 60.5422 40 CFR 60.487 Reporting Requirements		July	August	September	October	November	December
60.5422(a) & 60.487a (c)(2)(i)	No. Valves Leaks Detected	0	9	10	2	22	1
60.5422(a) & 60.487a (c)(2)(ii)	Not Repaired <= 15 Days	0	1	7	1	9	0
60.5422(a) & 60.487a (c)(2)(iii)	No. Pump Leaks Detected	1	1	4	2	3	0
60.5422(a) & 60.487a (c)(2)(iv)	Not Repaired <= 15 Days	0	0	0	2	0	0
60.5422(a) & 60.487a (c)(2)(vii)	No. Connector Leaks Detected	0	1	43	1	3	0
60.5422(a) & 60.487a (c)(2)(viii)	Not Repaired <= 15 Days	0	0	25	0	2	0
60.5422(c)(1) & 60.5401(b)(2)	No. Relief Device Leaks Detected	0	3	2	0	0	0
60.5422(c)(2) & 60.5401 (b)(3)	Not Repaired <= 15 Days	0	0	0	0	0	0

Dates & Details of Process Unit Shutdowns During Reporting Period
40 CFR 60.5422(a) & 40 CFR 60.487a (c)(2) & (c)(4)

Month	*# of Days*	*Comments About Outage/Shutdown/Turnaround*
July		
August		
September		
October	5	Full Shutdown from 10/21/19 (08:00 AM) through 10/25/19 (11:00 AM)
November		
December		

60.5422(a), 60.487 (b)(3) - (b)(5), and 60.5401(b) - Reporting of Inventory Revisions

Reportable Inventory Components	Previous Period Ending: 6/30/2019	Current Period Ending: 12/31/2019
Valves - (Excluding No Detectable Emission) 60.5422(a) & 60.487a (b)(2)	726	732
Pumps - (Excluding Dual-Seal and Closed Vent) 60.5422(a) & 60.487a (b)(3)	7	7
Connectors 60.5422(a) & and 60.487a (b)(5)	2,439	2,471
Pressure Relief Devices that Vent to Atmosphere 60.5422(a) & 60.5401 (b)	0	0

Added / Deleted Summary by Regulation (R602r)

Report Date: 1/5/2020

Report Parameters

Reg: EPA60-OOOO
Compliance Grp: Refrigeration Process
Class: All Component Classes

Date: 7/1/2019 - 12/31/2019

Compliance Group	Class Description	Added	Deleted
Refrigeration Process	COMPRESSOR	0	0
Refrigeration Process	CONNECTOR	51	19
Refrigeration Process	POTENTIAL OPEN END	2	3
Refrigeration Process	PRESSURE RELIEF DEVICE	4	4
Refrigeration Process	PUMP	0	0
Refrigeration Process	VALVE	20	14

Compliance Repair Delay Report

Report Date: 7/1/2019 to 12/31/2019

Print Date: 1/27/2020 5:20:14PM

Plant: AKA ENERGY - GILCREST

Regulation: EPA60-OOOO

Compliance Group: Refrigeration Process

Tag and Drawing	Class	Stream ID Stream	Inspection Date	Placed on Delay	Reason for Delay	Documentation	Expected Repair	Removed FromDelay
1938.08 2515	CONECT	0051 0051 NGL Y-Grade-Pumps10A/B DeethBtm toStorageTks	9/17/2019	9/23/2019	PROCESS UNIT SHUTDOWN REQUIRED	PER RUDY QUIROZ	11/30/2019	10/30/2019
1938.09 2515	CONECT	0051 0051 NGL Y-Grade-Pumps10A/B DeethBtm toStorageTks	9/17/2019	9/23/2019	PROCESS UNIT SHUTDOWN REQUIRED	PER RUDY QUIROZ	11/30/2019	10/30/2019
1952.02 2515	CONECT	0051 0051 NGL Y-Grade-Pumps10A/B DeethBtm toStorageTks	9/18/2019	9/23/2019	PROCESS UNIT SHUTDOWN REQUIRED	PER RUDY QUIROZ	11/30/2019	10/30/2019
1951.07 2515	CONECT	0051 0051 NGL Y-Grade-Pumps10A/B DeethBtm toStorageTks	9/18/2019	9/23/2019	PROCESS UNIT SHUTDOWN REQUIRED	PER RUDY QUIROZ	11/30/2019	10/30/2019
2045.04 2513	CONECT	0019 0019 E-420 Cold Gas Exch toT-1100 Deeth OVHD	9/19/2019	9/23/2019	PROCESS UNIT SHUTDOWN REQUIRED	PER RUDY QUIROZ	11/30/2019	10/30/2019
2045.05 2513	CONECT	0019 0019 E-420 Cold Gas Exch toT-1100 Deeth OVHD	9/19/2019	9/23/2019	PROCESS UNIT SHUTDOWN REQUIRED	PER RUDY QUIROZ	11/30/2019	10/30/2019
2045.06 2513	CONECT	0019 0019 E-420 Cold Gas Exch toT-1100 Deeth OVHD	9/19/2019	9/23/2019	PROCESS UNIT SHUTDOWN REQUIRED	PER RUDY QUIROZ	11/30/2019	10/30/2019
2050.01 2511	CONECT	0015 0015 Inlet Gas-HP ColdSep V-200toK-600 ExpndrCMP	9/19/2019	9/23/2019	PROCESS UNIT SHUTDOWN REQUIRED	PER RUDY QUIROZ	11/30/2019	10/30/2019
2082.02 2512	CONECT	0016 0016 K-600 Expander CMP to V-215 LP Separator	9/20/2019	9/25/2019	PROCESS UNIT SHUTDOWN REQUIRED	PER RUDY QUIROZ	11/30/2019	10/30/2019

Compliance Repair Delay Report
Report Date: 7/1/2019 to 12/31/2019
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Plant: AKA ENERGY - GILCREST

Regulation: EPA60-OOOO

Compliance Group: Refrigeration Process

Tag and Drawing	Class	Stream ID Stream	Inspection Date	Placed on Delay	Reason for Delay	Documentation	Expected Repair	Removed FromDelay
2082.04 2512	CONECT	0016 0016 K-600 Expander CMP to V-215 LP Separator	9/20/2019	9/25/2019	PROCESS UNIT SHUTDOWN REQUIRED	PER RUDY QUIROZ	11/30/2019	10/30/2019
2119.02 2511	CONECT	0030 0030 E-440 Deeth Htr toT-1100 Deeth OVHD	9/20/2019	9/25/2019	PROCESS UNIT SHUTDOWN REQUIRED	PER RUDY QUIROZ	11/30/2019	10/30/2019
2122.03 2511	CONECT	0030 0030 E-440 Deeth Htr toT-1100 Deeth OVHD	9/20/2019	9/25/2019	PROCESS UNIT SHUTDOWN REQUIRED	PER RUDY QUIROZ	11/30/2019	10/30/2019
2149.01 2510	CONECT	0070 0070 V-410 Gas/GasExchToV-7 Refrig SuctionScrubber	9/23/2019	9/28/2019	PROCESS UNIT SHUTDOWN REQUIRED	PER RUDY QUIROZ	11/30/2019	10/31/2019
2165.06 2512	CONECT	0071 0071 V-380 Propane Econ To Gas/Gas Exch V-410	9/23/2019	9/28/2019	PROCESS UNIT SHUTDOWN REQUIRED	PER RUDY QUIROZ	11/30/2019	10/31/2019
2170.05 2511	CONECT	0015 0015 Inlet Gas-HP ColdSep V-200toK-600 ExpndrCMP	9/23/2019	9/28/2019	PROCESS UNIT SHUTDOWN REQUIRED	PER RUDY QUIROZ	11/30/2019	10/31/2019
2185.02 2511	CONECT	0015 0015 Inlet Gas-HP ColdSep V-200toK-600 ExpndrCMP	9/23/2019	9/28/2019	PROCESS UNIT SHUTDOWN REQUIRED	PER RUDY QUIROZ	11/30/2019	10/31/2019
2185.03 2511	CONECT	0015 0015 Inlet Gas-HP ColdSep V-200toK-600 ExpndrCMP	9/23/2019	9/28/2019	PROCESS UNIT SHUTDOWN REQUIRED	PER RUDY QUIROZ	11/30/2019	10/31/2019
2186.02 2511	CONECT	0015 0015 Inlet Gas-HP ColdSep V-200toK-600 ExpndrCMP	9/23/2019	9/28/2019	PROCESS UNIT SHUTDOWN REQUIRED	PER RUDY QUIROZ	11/30/2019	10/31/2019

Compliance Repair Delay Report

Report Date: 7/1/2019 to 12/31/2019

Print Date: 1/27/2020 5:20:14PM

Plant: AKA ENERGY - GILCREST

Regulation: EPA60-OOOO

Compliance Group: Refrigeration Process

Tag and Drawing	Class	Stream ID Stream	Inspection Date	Placed on Delay	Reason for Delay	Documentation	Expected Repair	Removed FromDelay
2186.03 2511	CONECT	0015 0015 Inlet Gas-HP ColdSep V-200toK-600 ExpndrCMP	9/23/2019	9/28/2019	PROCESS UNIT SHUTDOWN REQUIRED	PER RUDY QUIROZ	11/30/2019	10/31/2019
2190.02 2511	CONECT	0071 0071 V-380 Propane Econ To Gas/Gas Exch V-410	9/24/2019	9/29/2019	PROCESS UNIT SHUTDOWN REQUIRED	PER RUDY QUIROZ	11/30/2019	10/31/2019
2204.04 2510	CONECT	0030 0030 E-440 Deeth Htr toT-1100 Deeth OVHD	9/24/2019	9/29/2019	PROCESS UNIT SHUTDOWN REQUIRED	PER RUDY QUIROZ	11/30/2019	10/31/2019
2301.05 2508	CONECT	0013 0013 Inlet Gas- Dehy V-110 to Dust Filter F-800	9/26/2019	9/30/2019	PROCESS UNIT SHUTDOWN REQUIRED	PER RUDY QUIROZ	11/30/2019	10/31/2019
2418.02 2509	CONECT	0013 0013 Inlet Gas- Dehy V-110 to Dust Filter F-800	9/30/2019	9/30/2019	PROCESS UNIT SHUTDOWN REQUIRED	PER RUDY QUIROZ	11/30/2019	10/31/2019
2041.01 2513	CONECT	0019 0019 E-420 Cold Gas Exch toT-1100 Deeth OVHD	11/23/2019	11/27/2019	PROCESS UNIT SHUTDOWN REQUIRED	PER RUDY QUIROZ	9/30/2020	
2041.07 2513	CONECT	0019 0019 E-420 Cold Gas Exch toT-1100 Deeth OVHD	11/23/2019	11/27/2019	PROCESS UNIT SHUTDOWN REQUIRED	PER RUDY QUIROZ	9/30/2020	
2185.01 2511	POE	0015 0015 Inlet Gas-HP ColdSep V-200toK-600 ExpndrCMP	9/23/2019	9/28/2019	PROCESS UNIT SHUTDOWN REQUIRED	PER RUDY QUIROZ	11/30/2019	10/31/2019
2186.04 2511	POE	0015 0015 Inlet Gas-HP ColdSep V-200toK-600 ExpndrCMP	9/23/2019	9/28/2019	PROCESS UNIT SHUTDOWN REQUIRED	PER RUDY QUIROZ	11/30/2019	10/31/2019

Compliance Repair Delay Report

Report Date: 7/1/2019 to 12/31/2019

Print Date: 1/27/2020 5:20:14PM

Plant: AKA ENERGY - GILCREST

Regulation: EPA60-OOOO

Compliance Group: Refrigeration Process

Tag and Drawing	Class	Stream ID Stream	Inspection Date	Placed on Delay	Reason for Delay	Documentation	Expected Repair	Removed FromDelay
1884 2515	PUMP	0051 0051 NGL Y-Grade-Pumps10A/B DeethBtm toStorageTks	10/14/2019		REPAIR COMPLETED DURING PLANT SHUTDOWN WITHIN 15 DAYS OF LEAK DISCOVERY AND METHOD 21 RETESTED WITHIN 15 DAYS OF BRINGING PLANT BACK ONLINE	PER GRAHAM STAHNKE	10/28/2019	10/31/2019
1861 2515	PUMP	0051 0051 NGL Y-Grade-Pumps10A/B DeethBtm toStorageTks	10/14/2019					
3071.00 2511	VALVE	0015 0015 Inlet Gas-HP ColdSep V-200toK-600 ExpndrCMP	8/27/2019	8/28/2019	PROCESS UNIT SHUTDOWN REQUIRED	PER RUDY QUIROZ	11/30/2019	10/31/2019
1937 2515	VALVE	0051 0051 NGL Y-Grade-Pumps10A/B DeethBtm toStorageTks	9/17/2019	9/23/2019	PROCESS UNIT SHUTDOWN REQUIRED	PER RUDY QUIROZ	11/30/2019	10/30/2019
2029 2513	VALVE	0019 0019 E-420 Cold Gas Exch toT-1100 Deeth OVHD	9/19/2019	9/23/2019	PROCESS UNIT SHUTDOWN REQUIRED	PER RUDY QUIROZ	11/30/2019	10/23/2019
2030 2513	VALVE	0019 0019 E-420 Cold Gas Exch toT-1100 Deeth OVHD	9/19/2019	9/23/2019	PROCESS UNIT SHUTDOWN REQUIRED	PER RUDY QUIROZ	11/30/2019	10/30/2019
2041.00 2513	VALVE	0019 0019 E-420 Cold Gas Exch toT-1100 Deeth OVHD	9/19/2019	9/23/2019	PROCESS UNIT SHUTDOWN REQUIRED	PER RUDY QUIROZ	11/30/2019	10/23/2019
2207 2510	VALVE	0030 0030 E-440 Deeth Htr toT-1100 Deeth OVHD	9/24/2019	9/29/2019	PROCESS UNIT SHUTDOWN REQUIRED	PER RUDY QUIROZ	11/30/2019	10/31/2019
2305 2509	VALVE	0036 0036 V-150 Regen Gas Scrub toF-812 Inlet Gas Sep	9/24/2019	9/29/2019	PROCESS UNIT SHUTDOWN REQUIRED	PER RUDY QUIROZ	11/30/2019	10/21/2019

Compliance Repair Delay Report

Report Date: 7/1/2019 to 12/31/2019

Print Date: 1/27/2020 5:20:14PM

Plant: AKA ENERGY - GILCREST

Regulation: EPA60-OOOO

Compliance Group: Refrigeration Process

Tag and Drawing	Class	Stream ID Stream	Inspection Date	Placed on Delay	Reason for Delay	Documentation	Expected Repair	Removed FromDelay
2302.00 2508	VALVE	0013 0013 Inlet Gas- Dehy V-110 to Dust Filter F-800	9/27/2019	9/27/2019	PROCESS UNIT SHUTDOWN REQUIRED	PER RUDY QUIROZ	11/30/2019	10/21/2019
2217.00 2509	VALVE	0030 0030 E-440 Deeth Htr toT-1100 Deeth OVHD	10/8/2019	10/30/2019	PROCESS UNIT SHUTDOWN REQUIRED TO REPAIR	PER RUDY QUIROZ	10/26/2020	
1892 2515	VALVE	0051 0051 NGL Y-Grade-Pumps10A/B DeethBtm toStorageTks	11/21/2019	11/27/2019	PROCESS UNIT SHUTDOWN REQUIRED	PER RUDY QUIROZ	9/30/2020	
1930 2515	VALVE	0051 0051 NGL Y-Grade-Pumps10A/B DeethBtm toStorageTks	11/22/2019	11/27/2019	PROCESS UNIT SHUTDOWN REQUIRED	PER RUDY QUIROZ	9/30/2020	
2235 2509	VALVE	0032 0032 F-800 Inlet Gas Dust Filter toK-620 Regen CMP	11/22/2019	11/27/2019	PROCESS UNIT SHUTDOWN REQUIRED	PER RUDY QUIROZ	9/30/2020	
1995 2514	VALVE	0051 0051 NGL Y-Grade-Pumps10A/B DeethBtm toStorageTks	11/23/2019	11/27/2019	PROCESS UNIT SHUTDOWN REQUIRED	PER RUDY QUIROZ	9/30/2020	
2045 2513	VALVE	0019 0019 E-420 Cold Gas Exch toT-1100 Deeth OVHD	11/23/2019	11/27/2019	PROCESS UNIT SHUTDOWN REQUIRED	PER RUDY QUIROZ	9/30/2020	
2100 2512	VALVE	0017 0017 V-215 LP Sep to T-1100 Deethanizer OVHD	11/23/2019	11/27/2019	PROCESS UNIT SHUTDOWN REQUIRED	PER RUDY QUIROZ	9/30/2020	
2107 2512	VALVE	0030 0030 E-440 Deeth Htr toT-1100 Deeth OVHD	11/23/2019	11/27/2019	PROCESS UNIT SHUTDOWN REQUIRED	PER RUDY QUIROZ	9/30/2020	

Compliance Repair Delay Report

Report Date: 7/1/2019 to 12/31/2019

Print Date: 1/27/2020 5:20:14PM

Plant: AKA ENERGY - GILCREST

Regulation: EPA60-OOOO

Compliance Group: Refrigeration Process

Tag and Drawing	Class	Stream ID Stream	Inspection Date	Placed on Delay	Reason for Delay	Documentation	Expected Repair	Removed FromDelay
2133.00 2511	VALVE	0030 0030 E-440 Deeth Htr toT-1100 Deeth OVHD	11/23/2019	11/27/2019	PROCESS UNIT SHUTDOWN REQUIRED	PER RUDY QUIROZ	9/30/2020	
2124 2511	VALVE	0015 0015 Inlet Gas-HP ColdSep V-200toK-600 ExpndrCMP	11/23/2019	11/27/2019	PROCESS UNIT SHUTDOWN REQUIRED	PER RUDY QUIROZ	9/30/2020	

Number of Components Delayed for Compliance Group Refrigeration Process - 47

Signature of Owner or Operator Responsible for Delay of Repair Decision

STANDARDS OF PERFORMANCE FOR VOC EQUIPMENT LEAKS
SEMI-ANNUAL REPORT (40 CFR 60) Subpart: EPA60-OOOO

Company: AKA ENERGY - GILCREST **Compliance Group:** Sulfatreat Process

Reporting Period: 7/1/2019 Through 12/31/2019 1/5/2020

Semiannual Monitoring Results 40 CFR 60.5422 40 CFR 60.487 Reporting Requirements		*July*	*August*	*September*	*October*	*November*	*December*
60.5422(a) & 60.487a (c)(2)(i)	No. Valves Leaks Detected	3	0	1	0	1	0
60.5422(a) & 60.487a (c)(2)(ii)	Not Repaired <= 15 Days	0	0	0	0	0	0
60.5422(a) & 60.487a (c)(2)(iii)	No. Pump Leaks Detected	0	0	0	0	0	0
60.5422(a) & 60.487a (c)(2)(iv)	Not Repaired <= 15 Days	0	0	0	0	0	0
60.5422(a) & 60.487a (c)(2)(vii)	No. Connector Leaks Detected	2	0	0	0	0	0
60.5422(a) & 60.487a (c)(2)(viii)	Not Repaired <= 15 Days	0	0	0	0	0	0
60.5422(c)(1) & 60.5401(b)(2)	No. Relief Device Leaks Detected	2	0	0	0	0	0
60.5422(c)(2) & 60.5401 (b)(3)	Not Repaired <= 15 Days	0	0	0	0	0	0

Dates & Details of Process Unit Shutdowns During Reporting Period
40 CFR 60.5422(a) & 40 CFR 60.487a (c)(2) & (c)(4)

Month	*# of Days*	*Comments About Outage/Shutdown/Turnaround*
July		
August		
September		
October	5	Full Shutdown from 10/21/19 (08:00 AM) through 10/25/19 (11:00 AM)
November		
December		

60.5422(a), 60.487 (b)(3) - (b)(5), and 60.5401(b) - Reporting of Inventory Revisions

Reportable Inventory Components	Previous Period Ending: 6/30/2019	Current Period Ending: 12/31/2019
Valves - (Excluding No Detectable Emission) 60.5422(a) & 60.487a (b)(2)	194	193
Pumps - (Excluding Dual-Seal and Closed Vent) 60.5422(a) & 60.487a (b)(3)	0	0
Connectors 60.5422(a) & and 60.487a (b)(5)	493	494
Pressure Relief Devices that Vent to Atmosphere 60.5422(a) & 60.5401 (b)	0	0

Added / Deleted Summary by Regulation (R602r)

Report Date: 1/5/2020

Report Parameters

Reg: EPA60-OOOO
Compliance Grp: Sulfatreat Process
Class: All Component Classes

Date: 7/1/2019 - 12/31/2019

Compliance Group	Class Description	Added	Deleted
Sulfatreat Process	CONNECTOR	1	0
Sulfatreat Process	POTENTIAL OPEN END	0	0
Sulfatreat Process	PRESSURE RELIEF DEVICE	1	1
Sulfatreat Process	VALVE	2	3

STANDARDS OF PERFORMANCE FOR VOC EQUIPMENT LEAKS
SEMI-ANNUAL REPORT (40 CFR 60) Subpart: EPA60-OOOO

Company: AKA ENERGY - GILCREST **Compliance Group:** Truck Loading Process Area

Reporting Period: 7/1/2019 Through 12/31/2019 1/5/2020

Semiannual Monitoring Results 40 CFR 60.5422 40 CFR 60.487 Reporting Requirements		*July*	*August*	*September*	*October*	*November*	*December*
60.5422(a) & 60.487a (c)(2)(i)	No. Valves Leaks Detected	0	0	0	0	0	0
60.5422(a) & 60.487a (c)(2)(ii)	Not Repaired <= 15 Days	0	0	0	0	0	0
60.5422(a) & 60.487a (c)(2)(iii)	No. Pump Leaks Detected	0	0	0	0	0	0
60.5422(a) & 60.487a (c)(2)(iv)	Not Repaired <= 15 Days	0	0	0	0	0	0
60.5422(a) & 60.487a (c)(2)(vii)	No. Connector Leaks Detected	0	1	0	0	0	0
60.5422(a) & 60.487a (c)(2)(viii)	Not Repaired <= 15 Days	0	0	0	0	0	0
60.5422(c)(1) & 60.5401(b)(2)	No. Relief Device Leaks Detected	0	0	0	0	0	0
60.5422(c)(2) & 60.5401 (b)(3)	Not Repaired <= 15 Days	0	0	0	0	0	0

Dates & Details of Process Unit Shutdowns During Reporting Period
40 CFR 60.5422(a) & 40 CFR 60.487a (c)(2) & (c)(4)

Month	*# of Days*	*Comments About Outage/Shutdown/Turnaround*
July		
August		
September		
October	5	Full Shutdown from 10/21/19 (08:00 AM) through 10/25/19 (11:00 AM)
November		
December		

60.5422(a), 60.487 (b)(3) - (b)(5), and 60.5401(b) - Reporting of Inventory Revisions

Reportable Inventory Components	Previous Period Ending: 6/30/2019	Current Period Ending: 12/31/2019
Valves - (Excluding No Detectable Emission) 60.5422(a) & 60.487a (b)(2)	59	59
Pumps - (Excluding Dual-Seal and Closed Vent) 60.5422(a) & 60.487a (b)(3)	0	0
Connectors 60.5422(a) & and 60.487a (b)(5)	372	372
Pressure Relief Devices that Vent to Atmosphere 60.5422(a) & 60.5401 (b)	0	0

Added / Deleted Summary by Regulation (R602r)

Report Date: 1/5/2020

Report Parameters

Reg: EPA60-OOOO
Compliance Grp: Truck Loading Process Area
Class: All Component Classes

Date: 7/1/2019 - 12/31/2019

Compliance Group	Class Description	Added	Deleted
Truck Loading Process Area	CONNECTOR	0	0
Truck Loading Process Area	POTENTIAL OPEN END	0	0
Truck Loading Process Area	PRESSURE RELIEF DEVICE	0	0
Truck Loading Process Area	PUMP	0	0
Truck Loading Process Area	VALVE	0	0

Compliance Component Summary (R800)

Report Date: 1/5/2020

Report Parameters

Regulation: EPA60-OOOO

Compliance Group: All Compliance Groups

Reporting Period: 12/31/2019 - 12/31/2019

EPA60-OOOO : CO2 Membrane Process

Class	Chemical State	Category	Design	Exempt	Count
CONECT	GV	Normal	Normal	No	137
POE	GV	Normal	Normal	No	34
RELIEF	GV	Normal	NDE	No	1
VALVE	GV	Normal	Normal	No	47
					219

EPA60-OOOO : Compression Process

Class	Chemical State	Category	Design	Exempt	Count
COMPR	GV	Normal	Normal	Yes	3
CONECT	GV	Normal	Normal	No	1,016
CONECT	GV	Normal	Normal	Yes	330
CONECT	LL	Normal	Normal	No	1,139
CONECT	LL	Normal	Normal	Yes	1
POE	GV	Normal	Normal	No	175
POE	GV	Normal	Normal	Yes	29
POE	LL	Normal	Normal	No	60
PUMP	LL	Normal	Normal	No	4
RELIEF	GV	Normal	NDE	No	17
RELIEF	GV	Normal	NDE	Yes	6
RELIEF	LL	Normal	Normal	Yes	1
VALVE	GV	Normal	NDE	No	3
VALVE	GV	Normal	NDE	Yes	4
VALVE	GV	Normal	Normal	No	193
VALVE	GV	Normal	Normal	Yes	53
VALVE	LL	Normal	NDE	No	6
VALVE	LL	Normal	Normal	No	119
					3,159

EPA60-OOOO : Cryogenic Process

Class	Chemical State	Category	Design	Exempt	Count
CONECT	GV	Normal	Normal	No	337
CONECT	LL	Normal	Normal	No	595
POE	GV	Normal	Normal	No	50

Report Parameters

Regulation: EPA60-OOOO

Compliance Group: All Compliance Groups Reporting Period: 12/31/2019 - 12/31/2019

POE	LL	Normal	Normal	No	59
PUMP	LL	Normal	Normal	No	4
RELIEF	GV	Normal	NDE	No	2
RELIEF	LL	Normal	Normal	Yes	2
VALVE	GV	Normal	NDE	No	4
VALVE	GV	Normal	Normal	No	104
VALVE	LL	Normal	NDE	No	2
VALVE	LL	Normal	Normal	No	171
					1,330

EPA60-OOOO : Inlet Gas Process

Class	Chemical State	Category	Design	Exempt	Count
CONECT	GV	Normal	Normal	No	874
CONECT	GV	Normal	Normal	Yes	29
CONECT	LL	Normal	Normal	No	294
CONECT	LL	Normal	Normal	Yes	6
POE	GV	Normal	Normal	No	129
POE	GV	Normal	Normal	Yes	5
POE	LL	Normal	Normal	No	30
POE	LL	Normal	Normal	Yes	1
PUMP	LL	Normal	Normal	No	1
RELIEF	GV	Normal	NDE	No	11
RELIEF	LL	Normal	Normal	Yes	4
VALVE	GV	Normal	NDE	No	1
VALVE	GV	Normal	NDE	Yes	1
VALVE	GV	Normal	Normal	No	375
VALVE	GV	Normal	Normal	Yes	10
VALVE	LL	Normal	Normal	No	143
VALVE	LL	Normal	Normal	Yes	1
					1,915

EPA60-OOOO : NGL Y Grade Storage and Handling Process

Class	Chemical State	Category	Design	Exempt	Count
CONECT	GV	Normal	Normal	No	639
CONECT	GV	Normal	Normal	Yes	1
CONECT	LL	Normal	Normal	No	545

Report Parameters

Regulation: EPA60-OOOO

Compliance Group: All Compliance Groups Reporting Period: 12/31/2019 - 12/31/2019

POE	GV	Normal	Normal	No	77
POE	GV	Normal	Normal	Yes	1
POE	LL	Normal	Normal	No	65
PUMP	LL	Normal	Normal	No	8
RELIEF	GV	Normal	NDE	No	12
VALVE	GV	Normal	NDE	No	1
VALVE	GV	Normal	NDE	Yes	2
VALVE	GV	Normal	Normal	No	179
VALVE	GV	Normal	Normal	Yes	5
VALVE	LL	Normal	Normal	No	154
					1,689

EPA60-OOOO : Refrigeration Process

Class	Chemical State	Category	Design	Exempt	Count
COMPR	GV	Normal	Normal	Yes	4
CONECT	GV	Difficult	Normal	No	122
CONECT	GV	Normal	Normal	No	1,126
CONECT	LL	Difficult	Normal	No	44
CONECT	LL	Normal	Normal	No	1,179
POE	GV	Difficult	Normal	No	21
POE	GV	Normal	Normal	No	124
POE	LL	Difficult	Normal	No	11
POE	LL	Normal	Normal	No	136
PUMP	LL	Normal	Normal	No	7
RELIEF	GV	Normal	NDE	No	21
RELIEF	LL	Normal	Normal	Yes	5
VALVE	GV	Difficult	Normal	No	1
VALVE	GV	Normal	NDE	No	2
VALVE	GV	Normal	Normal	No	382
VALVE	LL	Difficult	Normal	No	1
VALVE	LL	Normal	Normal	No	348
					3,534

EPA60-OOOO : Sulfatreat Process

Class	Chemical State	Category	Design	Exempt	Count
CONECT	GV	Normal	Normal	No	359

Report Parameters

Regulation: EPA60-OOOO

Compliance Group: All Compliance Groups

Reporting Period: 12/31/2019 - 12/31/2019

CONECT	LL	Normal	Normal	No	135
POE	GV	Normal	Normal	No	55
POE	LL	Normal	Normal	No	16
RELIEF	GV	Normal	NDE	No	7
RELIEF	LL	Normal	Normal	Yes	1
VALVE	GV	Normal	Normal	No	136
VALVE	LL	Normal	Normal	No	57
					766

EPA60-OOOO : Truck Loading Process Area

Class	Chemical State	Category	Design	Exempt	Count
CONECT	GV	Normal	Normal	No	224
CONECT	LL	Normal	Normal	No	148
POE	GV	Normal	Normal	No	9
POE	LL	Normal	Normal	No	9
RELIEF	LL	Normal	Normal	Yes	6
VALVE	GV	Normal	Normal	No	34
VALVE	LL	Normal	Normal	No	25
					455

Grand Total **13,067**

40 CFR Part 60 - Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015 - 60.5420a(b) Annual Report

For each affected facility, an owner or operator must include the information specified in paragraphs (b)(1)(i) through (iv) of this section in all annual reports:

The asterisk (*) next to each field indicates that the corresponding field is required.

SITE INFORMATION											ALTERNATIVE ADDRESS INFORMATION (IF NO PHYSICAL ADDRESS AVAILABLE FOR SITE *)			REPORTING INFORMATION		PE Certification	ADDITIONAL INFORMATION	
Facility Record No. * **(Field value will automatically generate if a value is not entered.)**	Company Name * (§60.5420a(b)(1)(i))	Facility Site Name * (§60.5420a(b)(1)(i))	US Well ID or US Well ID Associated with the Affected Facility, if applicable. * (§60.5420a(b)(1)(i))	Address of Affected Facility * (§60.5420a(b)(1)(i))	Address 2	City *	County *	State Abbreviation *	Zip Code *	Responsible Agency Facility ID (State Facility Identifier)	Description of Site Location (§60.5420a(b)(1)(i))	Latitude of the Site (decimal degrees to 5 decimals using the North American Datum of 1983) (§60.5420a(b)(1)(i))	Longitude of the Site (decimal degrees to 5 decimals using the North American Datum of 1983) (§60.5420a(b)(1)(i))	Beginning Date of Reporting Period.* (§60.5420a(b)(1)(iii))	Ending Date of Reporting Period.* (§60.5420a(b)(1)(iii))	Please provide the file name that contains the certification signed by a qualified professional engineer for each closed vent system routing to a control device or process. * (§60.5420a(b)(12)) Please provide only one file per record.	Please enter any additional information.	Enter associated file name reference.
	e.g.: ABC Company	e.g.: XYZ Compressor Station	e.g.: 12-345-67890-12	e.g.: 123 Main Street	e.g.: Suite 100	e.g.: Brooklyn	e.g.: Kings County	e.g.: NY	e.g.: 11221		e.g.: 7 miles NE of the intersection of Hwy 123 and Hwy 456	e.g.: 34.12345	e.g.: -101.12345	e.g.: 01/01/2016	e.g.: 06/30/2016	e.g.: Certification.pdf **or** XYZCompressorStation.pdf		e.g.: addlinfo.zip **or** XYZCompressorStation.pdf
Noble Energy, Inc.	Noble Energy, Inc.	Assets in Weld County, CO	See attached	1625 Broadway	Suite 2200	Denver	Denver	CO	80202					8/2/2019	8/1/2020	Not applicable		

40 CFR Part 60 - Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015 - 60.5420a(b) Annual Report
For each well affected facility, an owner or operator must include the information specified in paragraphs (b)(2)(i) through (iii) of this section in all annual reports:

The asterisk (*) next to each field indicates that the corresponding field is required.

			§60.5432a Low Pressure Wells	All Well Completions	Well Affected Facilities Required to Comply with §60.5375a(a) and §60.5375a(f)				
Facility Record No. * [Select from dropdown list - may need to scroll up]	United States Well Number* (§60.5420a(b)(1)(ii))	Records of deviations where well completion operations with hydraulic fracturing were not performed in compliance with the requirements specified in § 60.5375a. * (§60.5420a(b)(2)(ii) and §60.5420a(c)(1)(ii))	Please provide the file name that contains the Record of Determination and Supporting Inputs and Calculations * (§60.5420a(b)(2)(iii) and §60.5420a(c)(1)(vii)) Please provide only one file per record.	Well Completion ID * (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(i))	Well Location * (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(iii)(A)-(B))	Date of Onset of Flowback Following Hydraulic Fracturing or Refracturing * (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(iii)(A)-(B))	Time of Onset of Flowback Following Hydraulic Fracturing or Refracturing * (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(iii)(A)-(B))	Date of Each Attempt to Direct Flowback to a Separator * (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(iii)(A)-(B))	Time of Each Attempt to Direct Flowback to a Separator * (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(iii)(A)-(B))
	e.g.: 12-345-67890-12	e.g.: On October 12, 2016, a separator was not onsite for the first 3 hours of the flowback period.	e.g.: lowpressure.pdf or XYZCompressorStation.pdf	e.g.: Completion ABC	e.g.: 34.12345 latitude, -101.12345 longitude	e.g.: 10/16/16	e.g.: 10 a.m.	e.g.: 10/16/16	e.g.: 10 a.m.
WELLS RANCH AE29-640	05-123-48162	None	N/A	435932245	40.4594, -104.3554	8/8/2019	10:00 AM	8/11/2019	12:00 PM
WELLS RANCH AE29-650	05-123-48166	None	N/A	435932248	40.4595, -104.3554	8/8/2019	10:00 AM	8/14/2019	1:00 AM
WELLS RANCH AE29-660	05-123-38648	None	N/A	435932246	40.4596, -104.3554	8/8/2019	10:00 AM	8/10/2019	8:15 AM
WELLS RANCH AE29-669	05-123-38643	None	N/A	435932249	40.4597, -104.3554	8/8/2019	10:00 AM	8/9/2019	2:15 PM
WELLS RANCH AE29-631	05-123-38651	None	N/A	435932247	40.4593, -104.3554	8/13/2019	7:15 AM	8/14/2019	2:00 AM
WELLS RANCH STATE AA36-683	05-123-48163	None	N/A	435932565	40.4451, -104.3537	8/17/2019	2:00 PM	8/17/2019	4:00 PM
WELLS RANCH STATE AA36-683	05-123-48163	None	N/A	435932565	40.4451, -104.3537	9/6/2019	1:45 PM	9/6/2019	1:45 PM
STARS FEDERAL LD17-720	05-123-49605	None	N/A	435910980	40.7742, -103.884	10/1/2019	11:45 AM	10/7/2019	9:15 AM
STARS FEDERAL LD17-730	05-123-49606	None	N/A	435910976	40.7742, -103.8841	10/1/2019	11:45 AM	10/4/2019	11:00 PM
STARS FEDERAL LD17-740	05-123-49607	None	N/A	435910972	40.7742, -103.8843	10/1/2019	11:45 AM	10/3/2019	9:15 PM

	Well Affected Facilities Required to Comply with §60.5375a(a) and §60.5375a(f) (continued)									
Facility Record No. * [Select from dropdown list - may need to scroll up]	Date of Each Occurrence of Returning to the Initial Flowback Stage * (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(iii)(A)-(B))	Time of Each Occurrence of Returning to the Initial Flowback Stage * (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(iii)(A)-(B))	Date Well Shut In and Flowback Equipment Permanently Disconnected or the Startup of Production * (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(iii)(A)-(B))	Time Well Shut In and Flowback Equipment Permanently Disconnected or the Startup of Production * (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(iii)(A)-(B))	Duration of Flowback in Hours * (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(iii)(A)-(B))	Duration of Recovery in Hours * (Not Required for Wells Complying with §60.5375a(f)) (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(iii)(A))	Disposition of Recovery * (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(iii)(A)-(B))	Duration of Combustion in Hours * (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(iii)(A)-(B))	Duration of Venting in Hours * (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(iii)(A)-(B))	Reason for Venting in lieu of Capture or Combustion * (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(iii)(A)-(B))
	e.g.: 10/16/16	e.g.: 10 a.m.	e.g.: 10/16/16	e.g.: 10 a.m.	e.g.: 5	e.g.: 5	e.g.: Used as onsite fuel	e.g.: 5	e.g.: 5	e.g. No onsite storage or combustion unit was available at the time of completion.
WELLS RANCH AE29-640	N/A	N/A	8/12/2019	1:00 PM	99	25	Majority of gas is used as instrument gas to control onsite equipment. Remainder is combusted.	25	74	Initial flowback
WELLS RANCH AE29-650	N/A	N/A	8/14/2019	1:00 PM	147	12	Majority of gas is used as instrument gas to control onsite equipment. Remainder is combusted.	12	135	Initial flowback
WELLS RANCH AE29-660	N/A	N/A	8/12/2019	12:45 PM	98	52	Majority of gas is used as instrument gas to control onsite equipment. Remainder is combusted.	52	46	Initial flowback
WELLS RANCH AE29-669	N/A	N/A	8/12/2019	12:30 PM	98	70	Majority of gas is used as instrument gas to control onsite equipment. Remainder is combusted.	70	28	Initial flowback
WELLS RANCH AE29-631	N/A	N/A	8/15/2019	7:00 AM	47	29	Majority of gas is used as instrument gas to control onsite equipment. Remainder is combusted.	29	18	Initial flowback
WELLS RANCH STATE AA36-683	N/A	N/A	8/19/2019	2:15 PM	48	46	Majority of gas is used as instrument gas to control onsite equipment. Remainder is combusted.	46	2	Initial flowback
WELLS RANCH STATE AA36-683	N/A	N/A	9/10/2019	7:00 AM	89	89	Majority of gas is used as instrument gas to control onsite equipment. Remainder is combusted.	89	0	Initial flowback
STARS FEDERAL LD17-720	N/A	N/A	10/12/2019	4:45 AM	257	115	Majority of gas is used as instrument gas to control onsite equipment. Remainder is combusted.	115	141	Initial flowback
STARS FEDERAL LD17-730	N/A	N/A	10/12/2019	4:45 AM	257	173	Majority of gas is used as instrument gas to control onsite equipment. Remainder is combusted.	173	83	Initial flowback
STARS FEDERAL LD17-740	N/A	N/A	10/12/2019	4:45 AM	257	199	Majority of gas is used as instrument gas to control onsite equipment. Remainder is combusted.	199	57	Initial flowback

	Exceptions Under §60.5375a(a)(3) - Technically Infeasible to Route to the Gas Flow Line or Collection System, Re-inject into a Well, Use as an Onsite Fuel Source, or Use for Another Useful Purpose Served By a Purchased Fuel or Raw Material											
Facility Record No. * [Select from dropdown list - may need to scroll up]	Well Location * (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(iv))	Specific Exception Claimed * (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(iv))	Starting Date for the Period the Well Operated Under the Exception * (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(iv))	Ending Date for the Period the Well Operated Under the Exception * (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(iv))	Why the Well Meets the Claimed Exception * (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(iv))	Name of Nearest Gathering Line * (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(iii)(A)-(B))	Location of Nearest Gathering Line * (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(iii)(A)-(B))	Technical Considerations Preventing Routing to this Line * (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(iii)(A)-(B))	Capture, Reinjection, and Reuse Technologies Considered * (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(iii)(A)-(B))	Aspects of Gas or Equipment Preventing Use of Recovered Gas as a Fuel Onsite * (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(iii)(A)-(B))	Technical Considerations Preventing Use of Recovered Gas for Other Useful Purpose * (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(iii)(A)-(B))	Additional Reasons for Technical Infeasibility * (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(iii)(A)-(B))
	e.g.: 34.12345 latitude, -101.12345 longitude	e.g.: Technical infeasibility under 60.5375a(a)(3)	e.g.: 10/16/2016	e.g.: 10/18/2016	e.g.: As further described in this report, technical issues prevented the use of the gas for useful purposes.	e.g.: ABC Line	e.g.: 100 miles away at 34.12345 latitude, -101.12345 longitude	e.g.: right of use	e.g.: on-site generators	e.g.: gas quality	e.g. gas quality	e.g. well damage or clean-up
WELLS RANCH AE29-640	40.4594, -104.3554	Technical infeasibility under 60.5375 (a)(3).	8/11/2019	8/12/2019	Majority of gas is used for useful purpose; however, technical issues prevent use of remaining gas (see explanations).	Facility flow line	On site	Flow line not yet certified to accept gas and/or quality of gas does not meet spec.	Compression equipment not feasible.	Gas quality.	None. Used as instrument gas to control onsite equipment.	None.
WELLS RANCH AE29-650	40.4595, -104.3554	Technical infeasibility under 60.5375 (a)(3).	8/14/2019	8/14/2019	Majority of gas is used for useful purpose; however, technical issues prevent use of remaining gas (see explanations).	Facility flow line	On site	Flow line not yet certified to accept gas and/or quality of gas does not meet spec.	Compression equipment not feasible.	Gas quality.	None. Used as instrument gas to control onsite equipment.	None.
WELLS RANCH AE29-660	40.4596, -104.3554	Technical infeasibility under 60.5375 (a)(3).	8/10/2019	8/12/2019	Majority of gas is used for useful purpose; however, technical issues prevent use of remaining gas (see explanations).	Facility flow line	On site	Flow line not yet certified to accept gas and/or quality of gas does not meet spec.	Compression equipment not feasible.	Gas quality.	None. Used as instrument gas to control onsite equipment.	None.
WELLS RANCH AE29-669	40.4597, -104.3554	Technical infeasibility under 60.5375 (a)(3).	8/9/2019	8/12/2019	Majority of gas is used for useful purpose; however, technical issues prevent use of remaining gas (see explanations).	Facility flow line	On site	Flow line not yet certified to accept gas and/or quality of gas does not meet spec.	Compression equipment not feasible.	Gas quality.	None. Used as instrument gas to control onsite equipment.	None.
WELLS RANCH AE29-631	40.4597, -104.3555	Technical infeasibility under 60.5375 (a)(3).	8/14/2019	8/15/2019	Majority of gas is used for useful purpose; however, technical issues prevent use of remaining gas (see explanations).	Facility flow line	On site	Flow line not yet certified to accept gas and/or quality of gas does not meet spec.	Compression equipment not feasible.	Gas quality.	None. Used as instrument gas to control onsite equipment.	None.
WELLS RANCH STATE AA36-683	40.4597, -104.3556	Technical infeasibility under 60.5375 (a)(3).	8/17/2019	8/19/2019	Majority of gas is used for useful purpose; however, technical issues prevent use of remaining gas (see explanations).	Facility flow line	On site	Flow line not yet certified to accept gas and/or quality of gas does not meet spec.	Compression equipment not feasible.	Gas quality.	None. Used as instrument gas to control onsite equipment.	None.
WELLS RANCH STATE AA36-683	40.4597, -104.3556	Technical infeasibility under 60.5375 (a)(3).	9/6/2019	9/10/2019	Majority of gas is used for useful purpose; however, technical issues prevent use of remaining gas (see explanations).	Facility flow line	On site	Flow line not yet certified to accept gas and/or quality of gas does not meet spec.	Compression equipment not feasible.	Gas quality.	None. Used as instrument gas to control onsite equipment.	None.
STARS FEDERAL LD17-720	40.4597, -104.3557	Technical infeasibility under 60.5375 (a)(3).	10/7/2019	10/12/2019	Majority of gas is used for useful purpose; however, technical issues prevent use of remaining gas (see explanations).	Facility flow line	On site	Flow line not yet certified to accept gas and/or quality of gas does not meet spec.	Compression equipment not feasible.	Gas quality.	None. Used as instrument gas to control onsite equipment.	None.
STARS FEDERAL LD17-730	40.4597, -104.3558	Technical infeasibility under 60.5375 (a)(3).	10/4/2019	10/12/2019	Majority of gas is used for useful purpose; however, technical issues prevent use of remaining gas (see explanations).	Facility flow line	On site	Flow line not yet certified to accept gas and/or quality of gas does not meet spec.	Compression equipment not feasible.	Gas quality.	None. Used as instrument gas to control onsite equipment.	None.
STARS FEDERAL LD17-740	40.4597, -104.3559	Technical infeasibility under 60.5375 (a)(3).	10/3/2019	10/12/2019	Majority of gas is used for useful purpose; however, technical issues prevent use of remaining gas (see explanations).	Facility flow line	On site	Flow line not yet certified to accept gas and/or quality of gas does not meet spec.	Compression equipment not feasible.	Gas quality.	None. Used as instrument gas to control onsite equipment.	None.

40 CFR Part 60 - Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015 - 60.5420a(b) Annual Report
For each well affected facility, an owner or operator must include the information specified in paragraphs (b)(2)(i) through (iii) of this section in all annual reports:

The asterisk (*) next to each field indicates that the corresponding field is required.

		Well Affected Facilities Meeting the Criteria of §60.5375a(a)(1)(iii)(A) - Not Hydraulically Fractured/Refractured with Liquids or Do Not Generate Condensate, Intermediate Hydrocarbon Liquids, or Produced Water (No Liquid Collection System or Seperator Onsite)															Well Affected Facilities Required to Comply with Both §60.5375a(a)(1) and (3) Using a Digital Photo in lieu of Records Required by §60.5420a(c)(1)(i) through (iv)	Well Affected Facilities Meeting the Criteria of §60.5375a(g) - <300 scf of Gas per Stock Tank Barrel of Oil Produced			
Facility Record No. * (Select from dropdown list - may need to scroll up)	United States Well Number* (§60.5420a(b)(1)(ii))	Well Location* (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(iii)(A) and (C))	Date of Onset of Flowback Following Hydraulic Fracturing or Refracturing * (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(iii)(A) and (C))	Time of Onset of Flowback Following Hydraulic Fracturing or Refracturing * (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(iii)(A) and (C))	Date Well Shut In and Flowback Equipment Permanently Disconnected or the Startup of Production * (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(iii)(A) and (C))	Time Well Shut In and Flowback Equipment Permanently Disconnected or the Startup of Production * (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(iii)(A) and (C))	Duration of Flowback in Hours * (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(iii)(A) and (C))	Duration of Combustion in Hours * (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(iii)(A) and (C))	Duration of Venting in Hours * (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(iii)(A) and (C))	Reason for Venting in lieu of Capture or Combustion * (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(iii)(A) and (C))	Does well still meet the conditions of §60.5375a(1)(iii)(A)? * (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(iii)(C)(2))	If applicable Date Well Completion Operation Stopped * ((§60.5420a(b)(2)(i) and §60.5420a(c)(1)(iii)(C)(2))	If applicable: Time Well Completion Operation Stopped * ((§60.5420a(b)(2)(i) and §60.5420a(c)(1)(iii)(C)(2))	If applicable: Date Separator Installed * ((§60.5420a(b)(2)(i) and §60.5420a(c)(1)(iii)(C)(2))	If applicable: Time Separator Installed * ((§60.5420a(b)(2)(i) and §60.5420a(c)(1)(iii)(C)(2))	Are there liquids collection at the well site? Based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete. * ((§60.5420a(b)(2)(i) and §60.5420a(c)(1)(iii)(C)(3))	Please provide the file name that contains the Digital Photograph with Date Taken and Latitude and Longitude Imbedded (or with Visible GPS), Showing Required Equipment (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(v)) Please provide only one file per record.	Well Location* (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(vi)(B))	Please provide the file name that contains the Record of Analysis Performed to Claim Well Meets §60.5375a(g), Including GOR Values for Established Leases and Data from Wells in the Same Basin and Field * (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(vi)(A)) Please provide only one file per record.	Does the well meet the requirements of §60.5375a(g)? Based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete. * ((§60.5420a(b)(2)(i) and §60.5420a(c)(1)(vi)(C))
	e.g.: 12-345-67890-12	e.g.: 34.12345 latitude, -101.12345 longitude	e.g.: 10/16/16	e.g.: 10 a.m.	e.g.: 10/16/16	e.g.: 10 a.m.	e.g.: 5	e.g.: 5	e.g.: 5	e.g: No onsite storage or combustion unit was available at the time of completion.	e.g.: Yes	e.g.: 10/16/16	e.g.: 10 a.m.	e.g.: 10/16/16	e.g.: 10 a.m.	e.g.: No	e.g.: completion1.pdf or XYZCompressorStation.pdf	e.g.: 34.12345 latitude, -101.12345 longitude	e.g.: GORcalcs.pdf or XYZCompressorStation.pdf	e.g.: Yes
WELLS RANCH AE29-640	05-123-48162	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
WELLS RANCH AE29-650	05-123-48166	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
WELLS RANCH AE29-660	05-123-38648	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
WELLS RANCH AE29-669	05-123-38643	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
WELLS RANCH AE29-631	05-123-38651	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
WELLS RANCH STATE AA36-683	05-123-48163	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
WELLS RANCH STATE AA36-683	05-123-48163	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
STARS FEDERAL LD17-720	05-123-49605	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
STARS FEDERAL LD17-730	05-123-49606	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
STARS FEDERAL LD17-740	05-123-49607	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

40 CFR Part 60 - Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015 - 60.5420a(b) Annual Report

For each centrifugal compressor affected facility, an owner or operator must include the information specified in paragraphs (b)(3)(i) through (iv) of this section in all annual reports:

The asterisk (*) next to each field indicates that the corresponding field is required.

				Centrifugal Compressors Required to Comply with §60.5380a(a)(2) - Cover and Closed Vent System Requirements					
Facility Record No. * (Select from dropdown list - may need to scroll up)	Compressor ID * (§60.5420a(b)(1)(ii))	For centrifugal compressors using a wet seal system, was the compressor constructed, modified or reconstructed during the reporting period? * (§60.5420a(b)(3)(i))	Deviations where the centrifugal compressor was not operated in compliance with requirements * (§60.5420a(b)(3)(ii) and §60.5420a(c)(2))	Record of Each Closed Vent System Inspection * (§60.5420a(b)(3)(iii) and §60.5420a(c)(6))	Record of Each Cover Inspection * (§60.5420a(b)(3)(iii) and §60.5420a(c)(7))	If you are subject to the bypass requirements of §60.5416a(a)(4) and you monitor the bypass with a flow indicator, a record of each time the alarm is sounded. * (§60.5420a(b)(3)(iii) and §60.5420a(c)(8))	If you are subject to the bypass requirements of §60.5416a(a)(4) and you use a secured valve, a record of each monthly inspection. * (§60.5420a(b)(3)(iii) and §60.5420a(c)(8))	If you are subject to the bypass requirements of §60.5416a(a)(4) and you use a lock-and-key valve, a record of each time the key is checked out. * (§60.5420a(b)(3)(iii) and §60.5420a(c)(8))	Record of No Detectable Emissions Monitoring Conducted According to §60.5416a(b) * (§60.5420a(b)(3)(iii) and §60.5420a(c)(9))
	e.g.: Comp-12b	e.g.: modified	e.g.: On October 12, 2016, the pilot flame was not functioning on the combustion unit controlling the compressor.	e.g.: Annual inspection conducted on 12/16/16. No defects observed. No detectable emissions observed.	e.g.: Annual inspection conducted on 12/16/16. No defects observed.	e.g.: On 4/5/17, the bypass alarm sounded for 2 mintues.	e.g.: Monthly inspection performed 4/15/17. Valve was maintained in the non-diverting position. Vent stream was not diverted through the bypass.	e.g.: The key was not checked out during the annual reporting period.	e.g.: Annual inspection conducted on 12/16/16. The highest reading using the FID was 300 ppmv.
Noble Energy, Inc.	Not applicable. Noble Energy, Inc. did not operate any centrifugal compressor affected facilities at its assets in Weld County, CO during the August 2, 2019 through August 1, 2020 reporting period.								

	Centrifugal Compressors with Carbon Adsorption		Centrifugal Compressors Subject to Control Device Requirements of §60.5412a(a)-(c)				
Facility Record No. * (Select from dropdown list - may need to scroll up)	Records of the Schedule for Carbon Replacement * (determined by design analysis) (§60.5420a(b)(3)(iii) and §60.5420a(c)(10))	Records of Each Carbon Replacement * (§60.5420a(b)(3)(iii) and §60.5420a(c)(10))	Minimum/Maximum Operating Parameter Value * (§60.5420a(b)(3)(iii) and §60.5420a(c)(11))	Please provide the file name that contains the Continuous Parameter Monitoring System Data * (§60.5420a(b)(3)(iii) and §60.5420a(c)(11)) Please provide the file name that contains.	Please provide the file name that contains the Calculated Averages of Continuous Parameter Monitoring System Data * (§60.5420a(b)(3)(iii) and §60.5420a(c)(11)) Please provide the file name that contains.	Please provide the file name that contains the Results of All Compliance Calculations * (§60.5420a(b)(3)(iii) and §60.5420a(c)(11)) Please provide the file name that contains.	Please provide the file name that contains the Results of All Inspections * (§60.5420a(b)(3)(iii) and §60.5420a(c)(11)) Please provide the file name that contains.
	e.g.: Carbon must be replaced every 2 years.	e.g.: Carbon was not replaced during the annual reporting period.	e.g.: Minimum temperature differential across catalytic oxidizer bed of 20°F.	e.g.: CPMS_Comp-12b.pdf or XYZCompressorStation.pdf	e.g.: CPMSAvg_Comp-12b.pdf or XYZCompressorStation.pdf	e.g.: ComplRslts_Comp-12b.pdf or XYZCompressorStation.pdf	e.g.: InspectRslts_Comp-12b.pdf or XYZCompressorStation.pdf
Noble Energy, Inc.							

	Centrifugal Compressors Using a Wet Seal System Constructed, Modified, or Reconstructed During Reporting Period with Control Device Tested Under §60.5413a(d)															
Facility Record No. * (Select from dropdown list - may need to scroll up)	Make of Purchased Device * (§60.5420a(b)(3)(iv) and §60.5420a(c)(2)(i))	Model of Purchased Device * (§60.5420a(b)(3)(iv) and §60.5420a(c)(2)(i))	Serial Number of Purchased Device * (§60.5420a(b)(3)(iv) and §60.5420a(c)(2)(i))	Date of Purchase (§60.5420a(b)(3)(iv) and §60.5420a(c)(2)(ii))	Please provide the file name that contains the Copy of Purchase Order (§60.5420a(b)(3)(iv) and §60.5420a(c)(2)(iii)) Please provide the file name that contains.	Latitude of Centrifugal Compressor (Decimal Degrees to 5 Decimals Using the North American Datum of 1983) * (§60.5420a(b)(3)(iv) and §60.5420a(c)(2)(iv))	Longitude of Centrifugal Compressor (Decimal Degrees to 5 Decimals Using the North American Datum of 1983) * (§60.5420a(b)(3)(iv) and §60.5420a(c)(2)(iv))	Latitude of Control Device (Decimal Degrees to 5 Decimals Using the North American Datum of 1983) * (§60.5420a(b)(3)(iv) and §60.5420a(c)(2)(iv))	Longitude of Control Device (Decimal Degrees to 5 Decimals Using the North American Datum of 1983) * (§60.5420a(b)(3)(iv) and §60.5420a(c)(2)(iv))	As an Alternative to Latitude and Longitude, please provide the file name that contains the Digital Photograph of Device either with Imbedded Latituded and Longitude or Visible GPS (§60.5420a(b)(3)(iv) and §60.5420a(c)(2)(vii)) Please provide the file name that contains.	Inlet Gas Flow Rate * (§60.5420a(b)(3)(iv) and §60.5420a(c)(2)(v))	Please provide the file name that contains the Records of Pilot Flame Present at All Times of Operation * (§60.5420a(b)(3)(iv) and §60.5420a(c)(2)(vi)(A)) Please provide the file name that contains.	Please provide the file name that contains the Records of No Visible Emissions Periods Greater Than 1 Minute During Any 15-Minute Period * (§60.5420a(b)(3)(iv) and §60.5420a(c)(2)(vi)(B)) Please provide the file name that contains.	Please provide the file name that contains the Records of Maintenance and Repair Log * (§60.5420a(b)(3)(iv) and §60.5420a(c)(2)(vi)(C)) Please provide the file name that contains.	Please provide the file name that contains the Records of Visible Emissions Test Following Return to Operation From Maintenance/Repair Activity * (§60.5420a(b)(3)(iv) and §60.5420a(c)(2)(vi)(D)) Please provide the file name that contains.	Please provide the file name that contains the Records of Manufacturer's Written Operating Instructions, Procedures and Maintenance Schedule * (§60.5420a(b)(3)(iv) and §60.5420a(c)(2)(vi)(E)) Please provide the file name that contains.
	e.g.: Incinerator Guy	e.g.: 400 Combustor	e.g.: 12383D382	e.g.: 12/10/16	e.g.: purchase_order.pdf or XYZCompressorStation.pdf	e.g.: 34.12345	e.g.: -101.12345	e.g.: 34.12340	e.g.: -101.12340	e.g.: 400_combustor.pdf or XYZCompressorStation.pdf	e.g.: 3000 scfh	e.g.: pilotflame.pdf or XYZCompressorStation.pdf	e.g.: noemissions.pdf or XYZCompressorStation.pdf	e.g.: maintainlog.pdf or XYZCompressorStation.pdf	e.g.: emistest.pdf or XYZCompressorStation.pdf	e.g.: manufinsruct.pdf or XYZCompressorStation.pdf
Noble Energy, Inc.																

40 CFR Part 60 - Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015 - 60.5420a(b) Annual Report
For each reciprocating compressor affected facility, an owner or operator must include the information specified in paragraphs (b)(4)(i) and (ii) of this section in all annual reports:

The asterisk (*) next to each field indicates that the corresponding field is required.

Facility Record No. * **(Select from dropdown list** - *may need to scroll up* **)**	Compressor ID * (§60.5420a(b)(1)(ii))	Are emissions from the rod packing unit being routed to a process through a closed vent system under negative pressure? * (§60.5420a(b)(4)(i))	If emissions are not routed to a process through a closed vent system under negative pressure, what are the cumulative number of hours or months of operation since initial startup or the previous rod packing replacement (whichever is later)? * (§60.5420a(b)(4)(i))	Units of Time Measurement * (§60.5420a(b)(4)(i))	Deviations where the reciprocating compressor was not operated in compliance with requirements* (§60.5420(b)(4)(ii) and §60.5420a(c)(3)(iii))
	e.g.: Comp-12b	e.g.: no	e.g.: 2	e.g.: months	e.g.: Rod packing replacement exceeded 36 months. Replacement occurred after 37 months.
Noble Energy, Inc.	**Not applicable. Noble Energy, Inc. did not operate any reciprocating compressor affected facilities at its assets in Weld County, CO during the August 2, 2019 through August 1, 2020 reporting period.**				

40 CFR Part 60 - Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015 - 60.5420a(b) Annual Report

For each pneumatic controller affected facility, an owner or operator must include the information specified in paragraphs (b)(5)(i) through (iii) of this section in all annual reports:

The asterisk (*) next to each field indicates that the corresponding field is required.

					Pneumatic Controllers with a Natural Gas Bleed Rate Greater than 6 scfh		
Facility Record No. * **(Select from dropdown list -** *may need to scroll up* **)**	Pneumatic Controller Identification * (§60.5420a(b)(1)(ii), §60.5420a(b)(5)(i), and §60.5390a(b)(2) or §60.5390a(c)(2))	Was the pneumatic controller constructed, modified or reconstructed during the reporting period? * (§60.5420a(b)(5)(i))	Month of Installation, Reconstruction, or Modification* (§60.5420a(b)(5)(i) and §60.5390a(b)(2) or §60.5390a(c)(2))	Year of Installation, Reconstruction, or Modification* (§60.5420a(b)(5)(i) and §60.5390a(b)(2) or §60.5390a(c)(2))	Documentation that Use of a Pneumatic Controller with a Natural Gas Bleed Rate Greater than 6 Standard Cubic Feet per Hour is required * (§60.5420a(b)(5)(ii))	Reasons Why * (§60.5420a(b)(5)(ii))	Records of deviations where the pneumatic controller was not operated in compliance with requirements* (§60.5420a(b)(5)(iii) and §60.5420a(c)(4)(v))
	e.g.: Controller 12A	e.g.: modified	e.g.: February	e.g.: 2017	e.g.: Controller has a bleed rate of 8 scfh.	e.g.: safety bypass controller requires use of a high-bleed controller	e.g.: Controller was not tagged with month and year of installation.
Noble Energy, Inc.	**Not applicable. Noble Energy, Inc. did not operate any pneumatic controller affected facilities at its assets in Weld County, CO during the August 2, 2019 through August 1, 2020 reporting period.**						

40 CFR Part 60 - Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015 - 60.5420a(b) Annual Report
For each storage vessel affected facility, an owner or operator must include the information specified in paragraphs (b)(6)(i) through (vii) of this section in all annual reports:

The asterisk (*) next to each field indicates that the corresponding field is required.

												Storage Vessels Constructed, Modified, Reconstructed or Returned to Service During Reporting Period that Comply with §60.5395a(a)(2) with a Control Device Tested Under § 60.5413a(d)											
Facility Record No. * (Select from dropdown list - may need to scroll up)	Storage Vessel ID * (§60.5420a(b)(1)(ii) and §60.5420a(b)(6)(i))	Was the storage vessel constructed, modified or reconstructed during the reporting period? * (§60.5420a(b)(6)(i))	Latitude of Storage Vessel (Decimal Degrees to 5 Decimals Using the North American Datum of 1983) * (§60.5420a(b)(6)(i))	Longitude of Storage Vessel (Decimal Degrees to 5 Decimals Using the North American Datum of 1983) * (§60.5420a(b)(6)(i))	If new affected facility or if returned to service during the reporting period, provide documentation of the VOC emission rate determination according to §60.5365a(e).* (§60.5420a(b)(6)(ii))	Records of deviations where the storage vessel was not operated in compliance with requirements * (§60.5420a(b)(6)(iii) and §60.5420a(c)(5)(iii))	Have you met the requirements specified in §60.5410a(h)(2) and (3)?* (§60.5420a(b)(6)(iv))	Removed from service during the reporting period? * (§60.5420a(b)(6)(v))	If removed from service, the date removed from service. * (§60.5420a(b)(6)(v))	Returned to service during the reporting period? * (§60.5420a(b)(6)(vi))	If returned to service, the date returned to service. * (§60.5420a(b)(6)(vi))	Make of Purchased Device * (§60.5420a(b)(6)(vii) and §60.5420a(c)(5)(vi)(A))	Model of Purchased Device * (§60.5420a(b)(6)(vii) and §60.5420a(c)(5)(vi)(A))	Serial Number of Purchased Device * (§60.5420a(b)(6)(vii) and §60.5420a(c)(5)(vi)(A))	Date of Purchase * (§60.5420a(b)(6)(vii) and §60.5420a(c)(5)(vi)(B))	Copy of Purchase Order * (§60.5420a(b)(6)(vii) and §60.5420a(c)(5)(vi)(C))	Latitude of Control Device (Decimal Degrees to 5 Decimals Using the North American Datum of 1983) * (§60.5420a(b)(6)(vii) and §60.5420a(c)(5)(vi)(D))	Longitude of Control Device (Decimal Degrees to 5 Decimals Using the North American Datum of 1983) * (§60.5420a(b)(6)(vii) and §60.5420a(c)(5)(vi)(D))	Inlet Gas Flow Rate * (§60.5420a(b)(6)(vii) and §60.5420a(c)(5)(vi)(E))	Please provide the file name that contains the Records of Pilot Flame Present at All Times of Operation * (§60.5420a(b)(6)(vii) and §60.5420a(c)(5)(vi)(F)(1)) Please provide only one file per record.	Please provide the file name that contains the Records of No Visible Emissions Periods Greater Than 1 Minute During Any 15-Minute Period * (§60.5420a(b)(6)(vii) and §60.5420a(c)(5)(vi)(F)(2)) Please provide only one file per record.	Please provide the file name that contains the Records of Maintenance and Repair Log * (§60.5420a(b)(6)(vii) and §60.5420a(c)(5)(vi)(F)(3)) Please provide only one file per record.	Please provide the file name that contains the Records of Visible Emissions Test Following Return to Operation From Maintenance/Repair Activity * (§60.5420a(b)(6)(vii) and §60.5420a(c)(5)(vi)(F)(4)) Please provide only one file per record.	Please provide the file name that contains the Records of Manufacturer's Written Operating Instructions, Procedures and Maintenance Schedule * (§60.5420a(b)(6)(vii) and §60.5420a(c)(5)(vi)(F)(5)) Please provide only one file per record.
	e.g.: Tank 125	e.g.: modified	e.g.: 34.12345	e.g.: -101.12345	e.g.: VOC emission rate is 6.5 tpy. See file rate_determination.pdf for more information.	e.g.: On October 12, 2016, the pilot flame was not functioning on the combustion unit controlling the storage vessel.	e.g.: Yes	e.g.: Yes	e.g.: 11/15/16	e.g.: Yes	e.g.: 11/15/16	e.g.: Incinerator Guy	e.g.: 400 Combustor	e.g.: 123B3D392	e.g.: 12/10/16	e.g.: purchase_order.pdf or XYZCompressorStation.pdf	e.g.: 34.12340	e.g.: -101.12340	e.g.: 3000 scfh	e.g.: pilotflame.pdf or XYZCompressorStation.pdf	e.g.: noemissions.pdf or XYZCompressorStation.pdf	e.g.: maintainlog.pdf or XYZCompressorStation.pdf	e.g.: emistest.pdf or XYZCompressorStation.pdf	e.g.: manufinsruct.pdf or XYZCompressorStation.pdf
Noble Energy, Inc.	**Not applicable. Noble Energy, Inc. did not operate any storage tank affected facilities at its assets in Weld County, CO during the August 2, 2019 through August 1, 2020 reporting period.**																						

40 CFR Part 60 - Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015 - 60.5420a(b) Annual Report

For the collection of fugitive emissions components at each well site and the collection of fugitive emissions components at each compressor station within the company-defined area, an owner or operator must include the records of each monitoring survey including the information specified in paragraphs (b)(7)(i) through (xii) of this section in all annual reports:

The asterisk (*) next to each field indicates that the corresponding field is required.

Facility Record No. * (Select from dropdown list - may need to scroll up)	Identification of Each Affected Facility * (§60.5420a(b)(1))	Date of Survey * (§60.5420a(b)(7)(i))	Survey Begin Time * (§60.5420a(b)(7)(ii))	Survey End Time * (§60.5420a(b)(7)(ii))	Name of Surveyor * (§60.5420a(b)(7)(iii))	Ambient Temperature During Survey * (§60.5420a(b)(7)(iv))	Sky Conditions During Survey * (§60.5420a(b)(7)(iv))	Maximum Wind Speed During Survey * (§60.5420a(b)(7)(iv))	Monitoring Instrument Used * (§60.5420a(b)(7)(v))	Deviations From Monitoring Plan (If none, state none.) * (§60.5420a(b)(7)(vi))	Type of Component for which Fugitive Emissions Detected * (§60.5420a(b)(7)(vii))	Number of Each Component Type for which Fugitive Emissions Detected * (§60.5420a(b)(7)(vii))	Type of Component Not Repaired as Required in §60.5397a(h) * (§60.5420a(b)(7)(viii))	Number of Each Component Type Not Repaired as Required in § 60.5397a(h) * (§60.5420a(b)(7)(viii))	Type of Difficult-to-Monitor Components Monitored * (§60.5420a(b)(7)(ix))	Number of Each Difficult-to-Monitor Component Type Monitored * (§60.5420a(b)(7)(ix))	Type of Unsafe-to-Monitor Component Monitored * (§60.5420a(b)(7)(ix))	Number of Each Unsafe-to-Monitor Component Type Monitored * (§60.5420a(b)(7)(ix))	Date of Successful Repair of Fugitive Emissions Component * (§60.5420a(b)(7)(x))	Type of Component Placed on Delay of Repair * (§60.5420a(b)(7)(xi))	Number of Each Component Type Placed on Delay of Repair * (§60.5420a(b)(7)(xi))	Explanation for Delay of Repair * (§60.5420a(b)(7)(xi))	Type of Instrument Used to Resurvey Repaired Components Not Repaired During Original Survey * (§60.5420a(b)(7)(xii))	OGI: Training and Experience of Surveyor * (§60.5420a(b)(7)(iii))	Compressor Station Affected Facility Only: Was a monitoring survey waived under § 60.5397a(g)(5)? * (§60.5420a(b)(7))	Compressor Station Affected Facility Only: If a monitoring survey was waived, the calendar months that make up the quarterly monitoring period for which the monitoring survey was waived. * (§60.5420a(b)(7))
	e.g.: Well Site ABC	e.g.: 8/13/17	e.g.: 10:00 am	e.g.: 1:00 pm	e.g.: John Smith	e.g.: 90°F	e.g.: Sunny, no clouds	e.g.: 2 mph	e.g.: Company ABC optical gas imaging camera	e.g.: None	e.g.: Valve	e.g.: 3	e.g.: Valve	e.g.: 1	e.g.: Valve	e.g.: 1	e.g.:Valve	e.g.: 1	e.g.: 11/10/16	e.g.: Valve	e.g.: 1	e.g.: Unsafe to repair until next shutdown	e.g.: Company ABC optical gas imaging camera	e.g.: Trained thermographer; completed 40-hour course at XYZ Training Center. Has 10 years of experience with OGI surveys.	e.g.: Yes	e.g.: January; February; and March
Noble Energy, Inc.	WELLS RANCH BB11 ECONODE T5N-R63W-S11 L01	2019-08-02	2019-08-02 09:59:00	2019-08-02 09:59:00	Matt Ray	74°F	Clear	5 MPH	OGI Camera-GFx320 24 I	NONE	PRD - PRV	1	N/A	N/A	N/A	N/A	N/A	N/A	2019-08-19	N/A	0	N/A	OGI Camera-GFx320 24 ID# 74900075	Trained thermographer; completed 40-hour course in Denve	N/A	N/A
Noble Energy, Inc.	WELLS RANCH BB11 ECONODE T5N-R63W-S11 L01	2019-08-02	2019-08-02 09:59:00	2019-08-02 09:59:00	Matt Ray	74°F	Clear	5 MPH	OGI Camera-GFx320 24 I	NONE	SEAL	1	N/A	N/A	N/A	N/A	N/A	N/A	2019-08-19	N/A	0	N/A	OGI Camera-GFx320 24 ID# 74900075	Trained thermographer; completed 40-hour course in Denve	N/A	N/A
Noble Energy, Inc.	WELLS RANCH STATE A36 ECONODE T6N-R63W-S31 L01	2019-08-02	2019-08-02 10:32:00	2019-08-02 11:21:00	Matt Ray	80°F	Clear	5 MPH	OGI Camera-GFx320 24 I	NONE	VALVE	2	N/A	N/A	N/A	N/A	N/A	N/A	2019-08-02	N/A	0	N/A	OGI Camera-GFx320 24 ID# 74900075	Trained thermographer; completed 40-hour course in Denve	N/A	N/A
Noble Energy, Inc.	WELLS RANCH STATE A36 ECONODE T6N-R63W-S31 L01	2019-08-02	2019-08-02 10:32:00	2019-08-02 11:21:00	Matt Ray	80°F	Clear	5 MPH	OGI Camera-GFx320 24 I	NONE	CONNECTOR	1	N/A	N/A	N/A	N/A	N/A	N/A	2019-08-02	N/A	0	N/A	OGI Camera-GFx320 24 ID# 74900075	Trained thermographer; completed 40-hour course in Denve	N/A	N/A
Noble Energy, Inc.	WELLS RANCH AA21 ECONODE T6N-R63W-S21 L01	2019-08-05	2019-08-05 09:27:00	2019-08-05 09:26:00	Matt Ray	70°F	Partly Cloudy	5 MPH	OGI Camera-GFx320 24 I	NONE	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	Trained thermographer; completed 40-hour course in Denve	N/A	N/A
Noble Energy, Inc.	WELLS RANCH AA33 ECONODE T6N-R63W-S21 L01	2019-08-05	2019-08-05 09:55:00	2019-08-05 10:47:00	Matt Ray	75°F	Partly Cloudy	5 MPH	OGI Camera-GFx320 24 I	NONE	SEAL	1	N/A	N/A	N/A	N/A	N/A	N/A	2019-08-31	N/A	0	N/A	OGI Camera-GFx320 24 ID# 74900075	Trained thermographer; completed 40-hour course in Denve	N/A	N/A
Noble Energy, Inc.	WELLS RANCH STATE BB03 ECONODE T5N-R63W-S3 L01	2019-08-05	2019-08-05 11:00:00	2019-08-05 12:59:00	Matt Ray	81°F	Partly Cloudy	5 MPH	OGI Camera-GFx320 24 I	NONE	VALVE	2	N/A	N/A	N/A	N/A	N/A	N/A	2019-08-05	N/A	0	N/A	OGI Camera-GFx320 24 ID# 74900075	Trained thermographer; completed 40-hour course in Denve	N/A	N/A
Noble Energy, Inc.	WELLS RANCH STATE BB03 ECONODE T5N-R63W-S3 L01	2019-08-05	2019-08-05 11:00:00	2019-08-05 12:59:00	Matt Ray	81°F	Partly Cloudy	5 MPH	OGI Camera-GFx320 24 I	NONE	CONNECTOR	1	N/A	N/A	N/A	N/A	N/A	N/A	2019-08-05	N/A	0	N/A	OGI Camera-GFx320 24 ID# 74900075	Trained thermographer; completed 40-hour course in Denve	N/A	N/A
Noble Energy, Inc.	D22-13-A ECONODE T3N-R64W-S22 L01	2019-08-07	2019-08-07 08:43:00	2019-08-07 11:04:00	Matt Ray	73°F	Partly Cloudy	10 MPH	OGI Camera-GFx320 24 I	NONE	PRD - TH OTHER	2	N/A	N/A	N/A	N/A	N/A	N/A	2019-08-07	N/A	0	N/A	OGI Camera-GFx320 24 ID# 74900075	Trained thermographer; completed 40-hour course in Denve	N/A	N/A
Noble Energy, Inc.	D22-13-A ECONODE T3N-R64W-S22 L01	2019-08-07	2019-08-07 08:43:00	2019-08-07 11:04:00	Matt Ray	73°F	Partly Cloudy	10 MPH	OGI Camera-GFx320 24 I	NONE	VALVE	2	N/A	N/A	N/A	N/A	N/A	N/A	2019-08-07	N/A	0	N/A	OGI Camera-GFx320 24 ID# 74900075	Trained thermographer; completed 40-hour course in Denve	N/A	N/A
Noble Energy, Inc.	Y11 WASTE MANAGEMENT ECONODE T2N-R64W-S11 L01	2019-08-07	2019-08-07 11:32:00	2019-08-07 12:29:00	Matt Ray	83°F	Partly Cloudy	10 MPH	OGI Camera-GFx320 24 I	NONE	CONNECTOR	2	N/A	N/A	N/A	N/A	N/A	N/A	2019-08-07	N/A	0	N/A	OGI Camera-GFx320 24 ID# 74900075	Trained thermographer; completed 40-hour course in Denve	N/A	N/A
Noble Energy, Inc.	DIETRICH T4N-R64W-S7 L01	2019-08-07	2019-08-07 14:17:00	2019-08-07 14:58:00	Matt Ray	90°F	Partly Cloudy	10 MPH	OGI Camera-GFx320 24 I	NONE	VALVE	1	N/A	N/A	N/A	N/A	N/A	N/A	2019-08-19	N/A	0	N/A	OGI Camera-GFx320 24 ID# 74900075	Trained thermographer; completed 40-hour course in Denve	N/A	N/A
Noble Energy, Inc.	HARPER-KONA A21 ECONODE T6N-R64W-S21 L01	2019-08-08	2019-08-08 06:01:00	2019-08-08 06:40:00	Landon Hawkins	64°F	Partly Cloudy	10 MPH	OGI Camera-GFx320 24 I	NONE	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	Trained thermographer; completed 40-hour course in Denve	N/A	N/A
Noble Energy, Inc.	LAPP A13 ECONODE T6N-R64W-S13 L01	2019-08-08	2019-08-08 07:14:00	2019-08-08 08:40:00	Landon Hawkins	64°F	Partly Cloudy	10 MPH	OGI Camera-GFx320 24 I	NONE	CONNECTOR	2	N/A	N/A	N/A	N/A	N/A	N/A	2019-08-08	N/A	0	N/A	OGI Camera-GFx320 24 ID# 74900113	Trained thermographer; completed 40-hour course in Denve	N/A	N/A
Noble Energy, Inc.	LAPP A13 ECONODE T6N-R64W-S13 L01	2019-08-08	2019-08-08 07:14:00	2019-08-08 08:40:00	Landon Hawkins	64°F	Partly Cloudy	10 MPH	OGI Camera-GFx320 24 I	NONE	VALVE	2	N/A	N/A	N/A	N/A	N/A	N/A	2019-08-08	N/A	0	N/A	OGI Camera-GFx320 24 ID# 74900113	Trained thermographer; completed 40-hour course in Denve	N/A	N/A
Noble Energy, Inc.	AGGIE-COLT AA17 ECONODE T6N-R63W-S17 L01	2019-08-08	2019-08-08 09:07:00	2019-08-08 10:43:00	Landon Hawkins	70°F	Partly Cloudy	10 MPH	OGI Camera-GFx320 24 I	NONE	VALVE	2	N/A	N/A	N/A	N/A	N/A	N/A	2019-08-08	N/A	0	N/A	OGI Camera-GFx320 24 ID# 74900113	Trained thermographer; completed 40-hour course in Denve	N/A	N/A
Noble Energy, Inc.	AGGIE-COLT AA17 ECONODE T6N-R63W-S17 L01	2019-08-08	2019-08-08 09:07:00	2019-08-08 10:43:00	Landon Hawkins	70°F	Partly Cloudy	10 MPH	OGI Camera-GFx320 24 I	NONE	VALVE	1	N/A	N/A	N/A	N/A	N/A	N/A	2019-08-26	N/A	0	N/A	OGI Camera-GFx320 24 ID# 74900113	Trained thermographer; completed 40-hour course in Denve	N/A	N/A
Noble Energy, Inc.	AGGIE-COLT AA17 ECONODE T6N-R63W-S17 L01	2019-08-08	2019-08-08 09:07:00	2019-08-08 10:43:00	Landon Hawkins	70°F	Partly Cloudy	10 MPH	OGI Camera-GFx320 24 I	NONE	VALVE	2	N/A	N/A	N/A	N/A	N/A	N/A	2019-09-06	N/A	0	N/A	OGI Camera-GFx320 24 ID# 74900113	Trained thermographer; completed 40-hour course in Denve	N/A	N/A
Noble Energy, Inc.	SHADOW AA30 ECONODE T9N-R63W-S30 L01	2019-08-08	2019-08-08 11:08:00	2019-08-08 12:45:00	Landon Hawkins	78°F	Partly Cloudy	10 MPH	OGI Camera-GFx320 24 I	NONE	VALVE	1	N/A	N/A	N/A	N/A	N/A	N/A	2019-08-08	N/A	0	N/A	OGI Camera-GFx320 24 ID# 74900113	Trained thermographer; completed 40-hour course in Denve	N/A	N/A
Noble Energy, Inc.	SHADOW AA30 ECONODE T9N-R63W-S30 L01	2019-08-08	2019-08-08 11:08:00	2019-08-08 12:45:00	Landon Hawkins	78°F	Partly Cloudy	10 MPH	OGI Camera-GFx320 24 I	NONE	CONNECTOR	3	N/A	N/A	N/A	N/A	N/A	N/A	2019-08-08	N/A	0	N/A	OGI Camera-GFx320 24 ID# 74900113	Trained thermographer; completed 40-hour course in Denve	N/A	N/A
Noble Energy, Inc.	CROW CREEK ST AC36 & AA01 ECONODE T7N-R63W-S36 L01	2019-08-09	2019-08-09 10:01:00	2019-08-09 10:54:00	Landon Hawkins	78°F	Clear	10 MPH	OGI Camera-GFx320 24 I	NONE	CONNECTOR	1	N/A	N/A	N/A	N/A	N/A	N/A	2019-08-09	N/A	0	N/A	OGI Camera-GFx320 24 ID# 74900113	Trained thermographer; completed 40-hour course in Denve	N/A	N/A
Noble Energy, Inc.	LC22 - A ECONODE T9N-R59W-S22 L01	2019-08-13	2019-08-13 08:51:00	2019-08-13 09:56:00	Landon Hawkins	67°F	Clear	10 MPH	OGI Camera-GFx320 24 I	NONE	CONNECTOR	1	N/A	N/A	N/A	N/A	N/A	N/A	2019-09-06	N/A	0	N/A	OGI Camera-GFx320 24 ID# 74900113	Trained thermographer; completed 40-hour course in Denve	N/A	N/A
Noble Energy, Inc.	LC22 - A ECONODE T9N-R59W-S22 L01	2019-08-13	2019-08-13 08:51:00	2019-08-13 09:56:00	Landon Hawkins	67°F	Clear	10 MPH	OGI Camera-GFx320 24 I	NONE	PRD - PRV	2	N/A	N/A	N/A	N/A	N/A	N/A	2019-08-13	N/A	0	N/A	OGI Camera-GFx320 24 ID# 74900113	Trained thermographer; completed 40-hour course in Denve	N/A	N/A
Noble Energy, Inc.	LC22 - A ECONODE T9N-R59W-S22 L01	2019-08-13	2019-08-13 08:51:00	2019-08-13 09:56:00	Landon Hawkins	67°F	Clear	10 MPH	OGI Camera-GFx320 24 I	NONE	PRD - TH CENTER ASSEMBLY	1	N/A	N/A	N/A	N/A	N/A	N/A	2019-08-13	N/A	0	N/A	OGI Camera-GFx320 24 ID# 74900113	Trained thermographer; completed 40-hour course in Denve	N/A	N/A
Noble Energy, Inc.	LC22 - B ECONODE T9N-R59W-S22 L01	2019-08-13	2019-08-13 10:41:00	2019-08-13 12:22:00	Landon Hawkins	69°F	Clear	10 MPH	OGI Camera-GFx320 24 I	NONE	PRD - TH CENTER ASSEMBLY	1	N/A	N/A	N/A	N/A	N/A	N/A	2019-08-13	N/A	0	N/A	OGI Camera-GFx320 24 ID# 74900113	Trained thermographer; completed 40-hour course in Denve	N/A	N/A
Noble Energy, Inc.	LD28 GREYSON-BRECKEN T9N-R58W-S28 L01	2019-08-26	2019-08-26 08:44:00	2019-08-26 09:42:00	Landon Hawkins	66°F	Clear	10 MPH	OGI Camera-GFx320 24 I	NONE	PRD - TH CENTER ASSEMBLY	1	N/A	N/A	N/A	N/A	N/A	N/A	2019-08-26	N/A	0	N/A	OGI Camera-GFx320 24 ID# 74900113	Trained thermographer; completed 40-hour course in Denve	N/A	N/A
Noble Energy, Inc.	LD22-A ECONODE T9N-R58W-S22 L01	2019-08-26	2019-08-26 09:59:00	2019-08-26 11:36:00	Landon Hawkins	72°F	Clear	10 MPH	OGI Camera-GFx320 24 I	NONE	VALVE	3	N/A	N/A	N/A	N/A	N/A	N/A	2019-08-26	N/A	0	N/A	OGI Camera-GFx320 24 ID# 74900113	Trained thermographer; completed 40-hour course in Denve	N/A	N/A
Noble Energy, Inc.	LD05 ECONODE T9N-R58W-S4 L01	2019-08-26	2019-08-26 13:50:00	2019-08-26 13:52:00	Landon Hawkins	73°F	Clear	10 MPH	OGI Camera-GFx320 24 I	NONE	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	Trained thermographer; completed 40-hour course in Denve	N/A	N/A
Noble Energy, Inc.	ROHN STATE LD04 ECONODE T9N-R58W-S4 L01	2019-08-26	2019-08-26 11:46:00	2019-08-26 13:48:00	Landon Hawkins	73°F	Clear	10 MPH	OGI Camera-GFx320 24 I	NONE	CONNECTOR	1	N/A	N/A	N/A	N/A	N/A	N/A	2019-08-26	N/A	0	N/A	OGI Camera-GFx320 24 ID# 74900113	Trained thermographer; completed 40-hour course in Denve	N/A	N/A
Noble Energy, Inc.	ROHN STATE LD04 ECONODE T9N-R58W-S4 L01	2019-08-26	2019-08-26 11:46:00	2019-08-26 13:48:00	Landon Hawkins	73°F	Clear	10 MPH	OGI Camera-GFx320 24 I	NONE	FLANGE	1	N/A	N/A	N/A	N/A	N/A	N/A	2019-08-26	N/A	0	N/A	OGI Camera-GFx320 24 ID# 74900113	Trained thermographer; completed 40-hour course in Denve	N/A	N/A
Noble Energy, Inc.	LEE BOIKO T4N-R65W-S15 L01	2019-08-30	2019-08-30 09:03:00	2019-08-30 09:54:00	Matt Ray	65°F	Overcast	5 MPH	OGI Camera-GFx320 24 I	NONE	VALVE	1	N/A	N/A	N/A	N/A	N/A	N/A	2019-08-30	N/A	0	N/A	OGI Camera-GFx320 24 ID# 74900075	Trained thermographer; completed 40-hour course in Denve	N/A	N/A
Noble Energy, Inc.	LEE BOIKO T4N-R65W-S15 L01	2019-08-30	2019-08-30 09:03:00	2019-08-30 09:54:00	Matt Ray	65°F	Overcast	5 MPH	OGI Camera-GFx320 24 I	NONE	VALVE	1	N/A	N/A	N/A	N/A	N/A	N/A	2019-09-15	N/A	0	N/A	OGI Camera-GFx320 24 ID# 74900075	Trained thermographer; completed 40-hour course in Denve	N/A	N/A
Noble Energy, Inc.	BOULTER T4N-R65W-S11 L03	2019-08-30	2019-08-30 11:15:00	2019-08-30 11:51:00	Matt Ray	71°F	Partly Cloudy	5 MPH	OGI Camera-GFx320 24 I	NONE	VALVE	1	N/A	N/A	N/A	N/A	N/A	N/A	2019-08-30	N/A	0	N/A	OGI Camera-GFx320 24 ID# 74900075	Trained thermographer; completed 40-hour course in Denve	N/A	N/A
Noble Energy, Inc.	WELLS RANCH/WELLS RANCH STATE AF08 ECONODE T5N-R62W-S8 L01	2019-08-31	2019-08-31 11:07:00	2019-08-31 11:54:00	Matt Ray	80°F	Clear	5 MPH	OGI Camera-GFx320 24 I	NONE	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	Trained thermographer; completed 40-hour course in Denve	N/A	N/A
Noble Energy, Inc.	WELLS RANCH BB01 AF05 ECONODE T5N-R63W-S1 L01	2019-08-31	2019-08-31 12:12:00	2019-08-31 12:54:00	Matt Ray	85°F	Clear	5 MPH	OGI Camera-GFx320 24 I	NONE	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	Trained thermographer; completed 40-hour course in Denve	N/A	N/A
Noble Energy, Inc.	WELLS RANCH AE20 ECONODE T6N-R62W-S20 L01	2019-08-31	2019-08-31 13:06:00	2019-08-31 14:02:00	Matt Ray	85°F	Clear	5 MPH	OGI Camera-GFx320 24 I	NONE	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	Trained thermographer; completed 40-hour course in Denve	N/A	N/A
Noble Energy, Inc.	HURLEY H26-11-A ECONODE T3N-R65W-S26 L01	2019-09-03	2019-09-03 08:18:00	2019-09-03 10:26:00	Matt Ray	65°F	Partly Cloudy	15 MPH	OGI Camera-GFx320 24 I	NONE	PRD - PRV	2	N/A	N/A	N/A	N/A	N/A	N/A	2019-09-03	N/A	0	N/A	OGI Camera-GFx320 24 ID# 74900075	Trained thermographer; completed 40-hour course in Denve	N/A	N/A
Noble Energy, Inc.	HULLABALOO Y16-28-A ECONODE T2N R64W S16 L01	2019-09-04	2019-09-04 08:36:00	2019-09-04 09:15:00	Matt Ray	68°F	Partly Cloudy	10 MPH	OGI Camera-GFx320 24 I	NONE	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	Trained thermographer; completed 40-hour course in Denve	N/A	N/A
Noble Energy, Inc.	MOSER H22 H34 ECONODE T3N-R65W-S27 L01	2019-09-04	2019-09-04 10:07:00	2019-09-04 11:15:00	Matt Ray	73°F	Partly Cloudy	10 MPH	OGI Camera-GFx320 24 I	NONE	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	Trained thermographer; completed 40-hour course in Denve	N/A	N/A
Noble Energy, Inc.	BOULTER T4N-R65W-S14 L03	2019-09-04	2019-09-04 14:59:00	2019-09-04 15:28:00	Matt Ray	94°F	Partly Cloudy	5 MPH	OGI Camera-GFx320 24 I	NONE	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	Trained thermographer; completed 40-hour course in Denve	N/A	N/A
Noble Energy, Inc.	WELLS RANCH AE30 ECONODE T6N-R62W-29 L01	2019-09-05	2019-09-05 13:25:00	2019-09-05 14:08:00	Matt Ray	100°F	Partly Cloudy	10 MPH	OGI Camera-GFx320 24 I	NONE	CONNECTOR	1	N/A	N/A	N/A	N/A	N/A	N/A	2019-09-05	N/A	0	N/A	OGI Camera-GFx320 24 ID# 74900075	Trained thermographer; completed 40-hour course in Denve	N/A	N/A
Noble Energy, Inc.	LC11-15 ECONODE T9N-R63W-S11 L01	2019-09-09	2019-09-09 08:49:00	2019-09-09 10:33:00	Landon Hawkins	63°F	Partly Cloudy	10 MPH	OGI Camera-GFx320 24 I	NONE	PRD - TH CENTER ASSEMBLY	1	N/A	N/A	N/A	N/A	N/A	N/A	2019-09-09	N/A	0	N/A	OGI Camera-GFx320 24 ID# 74900113	Trained thermographer; completed 40-hour course in Denve	N/A	N/A
Noble Energy, Inc.	LD19-16 ECONODE T9N-R58W-S19 L01	2019-09-09	2019-09-09 11:01:00	2019-09-09 13:10:00	Landon Hawkins	73°F	Clear	10 MPH	OGI Camera-GFx320 24 I	NONE	CONNECTOR	4	N/A	N/A	N/A	N/A	N/A	N/A	2019-09-09	N/A	0	N/A	OGI Camera-GFx320 24 ID# 74900113	Trained thermographer; completed 40-hour course in Denve	N/A	N/A
Noble Energy, Inc.	LD19-16 ECONODE T9N-R58W-S19 L01	2019-09-09	2019-09-09 11:01:00	2019-09-09 13:10:00	Landon Hawkins	73°F	Clear	10 MPH	OGI Camera-GFx320 24 I	NONE	VALVE	1	N/A	N/A	N/A	N/A	N/A	N/A	2019-09-19	N/A	0	N/A	OGI Camera-GFx320 24 ID# 74900113	Trained thermographer; completed 40-hour course in Denve	N/A	N/A
Noble Energy, Inc.	EMMY STATE H25-14-A T3N-R65W-S25 L01	2019-09-15	2019-09-15 10:12:00	2019-09-15 10:54:00	Matt Ray	70°F	Partly Cloudy	5 MPH	OGI Camera-GFx320 24 I	NONE	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	Trained thermographer; completed 40-hour course in Denve	N/A	N/A
Noble Energy, Inc.	LC24-6 ECONODE T9N-R59W-S24 L01	2019-09-19	2019-09-19 08:53:00	2019-09-19 10:14:00	Landon Hawkins	61°F	Clear	30 MPH	OGI Camera-GFx320 24 I	NONE	CONNECTOR	2	N/A	N/A	N/A	N/A	N/A	N/A	2019-09-19	N/A	0	N/A	OGI Camera-GFx320 24 ID# 74900113	Trained thermographer; completed 40-hour course in Denve	N/A	N/A
Noble Energy, Inc.	WELLS RANCH AE32 ECONODE T6N-R62W-S32 L01	2019-09-19	2019-09-19 09:39:00	2019-09-19 10:30:00	Matt Ray	61°F	Clear	5 MPH	OGI Camera-GFx320 24 I	NONE	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	Trained thermographer; completed 40-hour course in Denve	N/A	N/A
Noble Energy, Inc.	LC34 ECONODE T9N-R59W-S34 L01	2019-09-23	2019-09-23 09:01:00	2019-09-23 11:25:00	Landon Hawkins	60°F	Clear	10 MPH	OGI Camera-GFx320 24 I	NONE	VALVE	2	N/A	N/A	N/A	N/A	N/A	N/A	2019-09-23	N/A	0	N/A	OGI Camera-GFx320 24 ID# 74900113	Trained thermographer; completed 40-hour course in Denve	N/A	N/A
Noble Energy, Inc.	LC34 ECONODE T9N-R59W-S34 L01	2019-09-23	2019-09-23 09:01:00	2019-09-23 11:25:00	Landon Hawkins	60°F	Clear	10 MPH	OGI Camera-GFx320 24 I	NONE	CONNECTOR	1	N/A	N/A	N/A	N/A	N/A	N/A	2019-09-23	N/A	0	N/A	OGI Camera-GFx320 24 ID# 74900113	Trained thermographer; completed 40-hour course in Denve	N/A	N/A
Noble Energy, Inc.	KUMMER T8N-R61W-S23 L02	2019-09-23	2019-09-23 11:53:00	2019-09-23 13:45:00	Landon Hawkins	77°F	Clear	10 MPH	OGI Camera-GFx320 24 I	NONE	VALVE	1	N/A	N/A	N/A	N/A	N/A	N/A	2019-09-23	N/A	0	N/A	OGI Camera-GFx320 24 ID# 74900113	Trained thermographer; completed 40-hour course in Denve	N/A	N/A
Noble Energy, Inc.	KUMMER T8N-R61W-S23 L02	2019-09-23	2019-09-23 11:53:00	2019-09-23 13:45:00	Landon Hawkins	77°F	Clear	10 MPH	OGI Camera-GFx320 24 I	NONE	CONNECTOR	1	N/A	N/A	N/A	N/A	N/A	N/A	2019-09-23	N/A	0	N/A	OGI Camera-GFx320 24 ID# 74900113	Trained thermographer; completed 40-hour course in Denve	N/A	N/A
Noble Energy, Inc.	JOHNSON T4N-R65W-S12 L01	2019-09-26	2019-09-26 09:43:00	2019-09-26 10:53:00	Matt Ray	53°F	Clear	5 MPH	OGI Camera-GFx320 24 I	NONE	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	Trained thermographer; completed 40-hour course in Denve	N/A	N/A
Noble Energy, Inc.	OSCAR Y10 ECONODE T2N-R64W-S10 L01	2019-09-27	2019-09-27 09:27:00	2019-09-27 12:08:00	Matt Ray	58°F	Partly Cloudy	5 MPH	OGI Camera-GFx320 24 I	NONE	PRD - PRV	1	N/A	N/A	N/A	N/A	N/A	N/A	2019-09-27	N/A	0	N/A	OGI Camera-GFx320 24 ID# 74900075	Trained thermographer; completed 40-hour course in Denve	N/A	N/A
Noble Energy, Inc.	OSCAR Y10 ECONODE T2N-R64W-S10 L01	2019-09-27	2019-09-27 09:27:00	2019-09-27 12:08:00	Matt Ray	58°F	Partly Cloudy	5 MPH	OGI Camera-GFx320 24 I	NONE	PRD - TH OTHER	5	N/A	N/A	N/A	N/A	N/A	N/A	2019-09-27	N/A	0	N/A	OGI Camera-GFx320 24 ID# 74900075	Trained thermographer; completed 40-hour course in Denve	N/A	N/A
Noble Energy, Inc.	OSCAR Y10 ECONODE T2N-R64W-S10 L01	2019-09-27	2019-09-27 09:27:00	2019-09-27 12:08:00	Matt Ray	58°F	Partly Cloudy	5 MPH	OGI Camera-GFx320 24 I	NONE	VALVE	1	N/A	N/A	N/A	N/A	N/A	N/A	2019-09-27	N/A	0	N/A	OGI Camera-GFx320 24 ID# 74900075	Trained thermographer; completed 40-hour course in Denve	N/A	N/A
Noble Energy, Inc.	OSCAR Y10 ECONODE T2N-R64W-S10 L01	2019-09-27	2019-09-27 09:27:00	2019-09-27 12:08:00	Matt Ray	58°F	Partly Cloudy	5 MPH	OGI Camera-GFx320 24 I	NONE	VALVE	2	N/A	N/A	N/A	N/A	N/A	N/A	2019-10-17	N/A	0	N/A	OGI Camera-GFx320 24 ID# 74900075	Trained thermographer; completed 40-hour course in Denve	N/A	N/A
Noble Energy, Inc.	OSCAR Y10 ECONODE T2N-R64W-S10 L02	2019-09-27	2019-09-27 12:11:00	2019-09-27 13:11:00	Matt Ray	75°F	Partly Cloudy	5 MPH	OGI Camera-GFx320 24 I	NONE	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	Trained thermographer; completed 40-hour course in Denve	N/A	N/A
Noble Energy, Inc.	WELLS RANCH AA25 & 26 ECONODE T6N-R63W-S25 L01	2019-09-29	2019-09-29 09:39:00	2019-09-29 10:23:00	Matt Ray	52°F	Partly Cloudy	10 MPH	OGI Camera-GFx320 24 I	NONE	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	Trained thermographer; completed 40-hour course in Denve	N/A	N/A
Noble Energy, Inc.	DILLARD SHABLE USX T7N-R64W-S11 L01	2019-10-05	2019-10-05 10:04:00	2019-10-05 12:47:00	Landon Hawkins	57°F	Partly Cloudy	10 MPH	OGI Camera-GFx320 24 I	NONE	VALVE	2	N/A	N/A	N/A	N/A	N/A	N/A	2019-10-05	N/A	0	N/A	OGI Camera-GFx320 24 ID# 74900113	Trained thermographer; completed 40-hour course in Denve	N/A	N/A
Noble Energy, Inc.	LARSON AA19 ECONODE T6N-R63W-S19 L01	2019-10-05	2019-10-05 13:09:00	2019-10-05 15:06:00	Landon Hawkins	65°F	Clear	10 MPH	OGI Camera-GFx320 24 I	NONE	CONNECTOR	3	N/A	N/A	N/A	N/A	N/A	N/A	2019-10-05	N/A	0	N/A	OGI Camera-GFx320 24 ID# 74900113	Trained thermographer; completed 40-hour course in Denve	N/A	N/A
Noble Energy, Inc.	DOROTHY STATE LG01-16 ECONODE T8N-R59W-S4 L01	2019-10-06	2019-10-06 07:43:00	2019-10-06 09:51:00	Landon Hawkins	40°F	Partly Cloudy	10 MPH	OGI Camera-GFx320 24 I	NONE	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	Trained thermographer; completed 40-hour course in Denve	N/A	N/A
Noble Energy, Inc.	LC25 ECONODE T9N-R59W-S25 L01	2019-10-06	2019-10-06 10:27:00	2019-10-06 12:58:00	Landon Hawkins	58°F	Clear	10 MPH	OGI Camera-GFx320 24 I	NONE	PRD - TH CENTER ASSEMBLY	1	N/A	N/A	N/A	N/A	N/A	N/A	2019-10-06	N/A	0	N/A	OGI Camera-GFx320 24 ID# 74900113	Trained thermographer; completed 40-hour course in Denve	N/A	N/A
Noble Energy, Inc.	LC25 ECONODE T9N-R59W-S25 L01	2019-10-06	2019-10-06 10:27:00	2019-10-06 12:58:00	Landon Hawkins	58°F	Clear	10 MPH	OGI Camera-GFx320 24 I	NONE	PRD - PRV	1	N/A	N/A	N/A	N/A	N/A	N/A	2019-10-06	N/A	0	N/A	OGI Camera-GFx320 24 ID# 74900113	Trained thermographer; completed 40-hour course in Denve	N/A	N/A
Noble Energy, Inc.	LC25 ECONODE T9N-R59W-S25 L01	2019-10-06	2019-10-06 10:27:00	2019-10-06 12:58:00	Landon Hawkins	58°F	Clear	10 MPH	OGI Camera-GFx320 24 I	NONE	VALVE	1	N/A	N/A	N/A	N/A	N/A	N/A	2019-10-06	N/A	0	N/A	OGI Camera-GFx320 24 ID# 74900113	Trained thermographer; completed 40-hour course in Denve	N/A	N/A
Noble Energy, Inc.	HARPER-KONA A21 ECONODE T6N-R64W-S21 L01	2019-10-13	2019-10-13 10:55:00	2019-10-13 12:46:00	Matt Ray	51°F	Clear	5 MPH	OGI Camera-GFx320 24 I	NONE	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	Trained thermographer; completed 40-hour course in Denve	N/A	N/A
Noble Energy, Inc.	LD07-01 ECONODE T9N-R58W-S7 L01	2019-10-31	2019-10-31 10:41:00	2019-10-31 11:32:00	Matt Ray	29°F	Clear	10 MPH	OGI Camera-GFx320 24 I	NONE	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	Trained thermographer; completed 40-hour course in Denve	N/A	N/A
Noble Energy, Inc.	BOULTER JOHNSON ERICKSON HBR T4N-R64W-S10 L01	2019-11-11	2019-11-11 11:43:00	2019-11-11 12:24:00	Matt Ray	17°F	Clear	10 MPH	OGI Camera-GFx320 24 I	NONE	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	Trained thermographer; completed 40-hour course in Denve	N/A	N/A
Noble Energy, Inc.	INDEPENDENCE D19-01-A T3N-R64W-S19 L01	2019-11-11	2019-11-11 13:20:00	2019-11-11 15:05:00	Matt Ray	21°F	Partly Cloudy	10 MPH	OGI Camera-GFx320 24 I	NONE	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	Trained thermographer; completed 40-hour course in Denve	N/A	N/A
Noble Energy, Inc.	GUTTERSEN/GUTTERSEN STATE D29-22-A T3N-R64W-S29 L01	2019-11-11	2019-11-11 15:14:00	2019-11-11 15:43:00	Matt Ray	23°F	Partly Cloudy	10 MPH	OGI Camera-GFx320 24 I	NONE	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	Trained thermographer; completed 40-hour course in Denve	N/A	N/A
Noble Energy, Inc.	DP124 125 BB07-14 ECO SLW RANCH ST BB07 BB18 T5N R63W S7 L01	2019-12-20	2019-12-20 10:19:00	2019-12-20 10:52:00	Matt Ray	26°F	Clear	5 MPH	OGI Camera-GFx320 24 I	NONE	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	Trained thermographer; completed 40-hour course in Denve	N/A	N/A
Noble Energy, Inc.	G35 CENTENNIAL STATE ECONODE T4N-R65W-S35 L01	2020-01-04	2020-01-04 11:16:00	2020-01-04 12:27:00	Matt Ray	42°F	Partly Cloudy	5 MPH	OGI Camera-GFx320 24 I	NONE	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	Trained thermographer; completed 40-hour course in Denve	N/A	N/A
Noble Energy, Inc.	BOULTER T4N-R65W-S14 L03	2020-01-05	2020-01-05 11:51:00	2020-01-05 12:40:00	Matt Ray	37°F	Clear	15 MPH	OGI Camera-GFx320 24 I	NONE	PRD - PRV	2	N/A	N/A	N/A	N/A	N/A	N/A	2020-01-05	N/A	0	N/A	OGI Camera-GFx320 24 ID# 74900075	Trained thermographer; completed 40-hour course in Denve	N/A	N/A
Noble Energy, Inc.	70 RANCH STATE BB17 ECONODE T5N-R63W-S17 L01	2020-01-05	2020-01-05 14:18:00	2020-01-05 15:05:00	Matt Ray	39°F	Partly Cloudy	15 MPH	OGI Camera-GFx320 24 I	NONE	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	Trained thermographer; completed 40-hour course in Denve	N/A	N/A
Noble Energy, Inc.	SHADOW AA30 ECONODE T9N-R63W-S30 L01	2020-01-06	2020-01-06 09:06:00	2020-01-06 10:00:00	Matt Ray	34°F	Partly Cloudy	20 MPH	OGI Camera-GFx320 24 I	NONE	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	Trained thermographer; completed 40-hour course in Denve	N/A	N/A
Noble Energy, Inc.	ROHN STATE LD04 ECONODE T9N-R58W-S4 L01	2020-01-07	2020-01-07 10:07:00	2020-01-07 12:58:00	Matt Ray	48°F	Clear	20 MPH	OGI Camera-GFx320 24 I	NONE	PRD - TH OTHER	4	N/A	N/A	N/A	N/A	N/A	N/A	2020-01-07	N/A	0	N/A	OGI Camera-GFx320 24 ID# 74900075	Trained thermographer; completed 40-hour course in Denve	N/A	N/A
Noble Energy, Inc.	ROHN STATE LD04 ECONODE T9N-R58W-S4 L01	2020-01-07	2020-01-07 10:07:00	2020-01-07 12:58:00	Matt Ray	48°F	Clear	20 MPH	OGI Camera-GFx320 24 I	NONE	CONNECTOR	1	N/A	N/A	N/A	N/A	N/A	N/A	2020-02-18	N/A	0	N/A	OGI Camera-GFx320 24 ID# 74900075	Trained thermographer; completed 40-hour course in Denve	N/A	N/A
Noble Energy, Inc.	ROHN STATE LD04 ECONODE T9N-R58W-S4 L01	2020-01-07	2020-01-07 10:07:00	2020-01-07 12:58:00	Matt Ray	48°F	Clear	20 MPH	OGI Camera-GFx320 24 I	NONE	VALVE	1	N/A	N/A	N/A	N/A	N/A	N/A	2020-02-18	N/A	0	N/A	OGI Camera-GFx320 24 ID# 74900075	Trained thermographer; completed 40-hour course in Denve	N/A	N/A
Noble Energy, Inc.	LD05 ECONODE T9N-R58W-S4 L01	2020-01-07	2020-01-07 13:01:00	2020-01-07 13:01:00	Matt Ray	48°F	Clear	20 MPH	OGI Camera-GFx320 24 I	NONE	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	Trained thermographer; completed 40-hour course in Denve	N/A	N/A
Noble Energy, Inc.	LD22-A ECONODE T9N-R58W-S22 L01	2020-01-07	2020-01-07 13:10:00	2020-01-07 14:40:00	Matt Ray	55°F	Clear	20 MPH	OGI Camera-GFx320 24 I	NONE	VALVE	1	N/A	N/A	N/A	N/A	N/A	N/A	2020-01-07	N/A	0	N/A	OGI Camera-GFx320 24 ID# 74900075	Trained thermographer; completed 40-hour course in Denve	N/A	N/A
Noble Energy, Inc.	LD28 GREYSON-BRECKEN T9N-R58W-S28 L01	2020-01-07	2020-01-07 14:57:00	2020-01-07 16:19:00	Matt Ray	56°F	Clear	20 MPH	OGI Camera-GFx320 24 I	NONE	CONNECTOR	1	N/A	N/A	N/A	N/A	N/A	N/A	2020-01-07	N/A	0	N/A	OGI Camera-GFx320 24 ID# 74900075	Trained thermographer; completed 40-hour course in Denve	N/A	N/A
Noble Energy, Inc.	LD28 GREYSON-BRECKEN T9N-R58W-S28 L01	2020-01-07	2020-01-07 14:57:00	2020-01-07 16:19:00	Matt Ray	56°F	Clear	20 MPH	OGI Camera-GFx320 24 I	NONE	VALVE	1	N/A	N/A	N/A	N/A	N/A	N/A	2020-02-18	N/A	0	N/A	OGI Camera-GFx320 24 ID# 74900075	Trained thermographer; completed 40-hour course in Denve	N/A	N/A
Noble Energy, Inc.	MOSER H22 H34 ECONODE T3N-R65W-S27 L01	2020-01-11	2020-01-11 09:01:00	2020-01-11 11:25:00	Landon Hawkins	15°F	Partly Cloudy	10 MPH	OGI Camera-GFx320 24 I	NONE	PRD - PRV	1	N/A	N/A	N/A	N/A	N/A	N/A	2020-01-11	N/A	0	N/A	OGI Camera-GFx320 24 ID# 74900113	Trained thermographer; completed 40-hour course in Denve	N/A	N/A
Noble Energy, Inc.	MOSER H22 H34 ECONODE T3N-R65W-S27 L01	2020-01-11	2020-01-11 09:01:00	2020-01-11 11:25:00	Landon Hawkins	15°F	Partly Cloudy	10 MPH	OGI Camera-GFx320 24 I	NONE	VALVE	2	N/A	N/A	N/A	N/A	N/A	N/A	2020-01-11	N/A	0	N/A	OGI Camera-GFx320 24 ID# 74900113	Trained thermographer; completed 40-hour course in Denve	N/A	N/A
Noble Energy, Inc.	SHUFLY STATE Y34-16-A ECONODE T2N-R64W-S34 L01	2020-01-12	2020-01-12 07:39:00	2020-01-12 09:33:00	Landon Hawkins	21°F	Partly Cloudy	10 MPH	OGI Camera-GFx320 24 I	NONE	VALVE	1	N/A	N/A	N/A	N/A	N/A	N/A	2020-01-12	N/A	0	N/A	OGI Camera-GFx320 24 ID# 74900113	Trained thermographer; completed 40-hour course in Denve	N/A	N/A
Noble Energy, Inc.	SHUFLY STATE Y34-16-A ECONODE T2N-R64W-S34 L01	2020-01-12	2020-01-12 07:39:00	2020-01-12 09:33:00	Landon Hawkins	21°F	Partly Cloudy	10 MPH	OGI Camera-GFx320 24 I	NONE	VALVE	1	N/A	N/A	N/A	N/A	N/A	N/A	2020-01-24	N/A	0	N/A	OGI Camera-GFx320 24 ID# 74900113	Trained thermographer; completed 40-hour course in Denve	N/A	N/A
Noble Energy, Inc.	TIMMERMAN PLATTE VALLEY T4N-R65W-S13 L01	2020-01-12	2020-01-12 10:42:00	2020-01-12 11:32:00	Landon Hawkins	32°F	Clear	10 MPH	OGI Camera-GFx320 24 I	NONE	CONNECTOR	1	N/A	N/A	N/A	N/A	N/A	N/A	2020-01-12	N/A	0	N/A	OGI Camera-GFx320 24 ID# 74900113	Trained thermographer; completed 40-hour course in Denve	N/A	N/A
Noble Energy, Inc.	WELLS RANCH AE30 ECONODE T6N-R62W-29 L01	2020-01-15	2020-01-15 10:59:00	2020-01-15 12:21:00	Jimmie Smith	35°F	Clear	20 MPH	OGI Camera-GFx320 ID#	NONE	CONNECTOR	3	N/A	N/A	N/A	N/A	N/A	N/A	2020-01-24	N/A	0	N/A	OGI Camera-GFx320 ID# 74900163	Trained thermographer; completed 40-hour course in Denve	N/A	N/A
Noble Energy, Inc.	WELLS RANCH AE30 ECONODE T6N-R62W-29 L01	2020-01-15	2020-01-15 10:59:00	2020-01-15 12:21:00	Jimmie Smith	35°F	Clear	20 MPH	OGI Camera-GFx320 ID#	NONE	VALVE	2	N/A	N/A	N/A	N/A	N/A	N/A	2020-01-24	N/A	0	N/A	OGI Camera-GFx320 ID# 74900163	Trained thermographer; completed 40-hour course in Denve	N/A	N/A
Noble Energy, Inc.	HULLABALOO Y16-28-A ECONODE T2N R64W S16 L01	2020-01-16	2020-01-16 09:37:00	2020-01-16 11:02:00	Landon Hawkins	24°F	Partly Cloudy	10 MPH	OGI Camera-GFx320 24 I	NONE	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	Trained thermographer; completed 40-hour course in Denve	N/A	N/A
Noble Energy, Inc.	HURLEY H26-11-A ECONODE T3N-R65W-S26 L01	2020-01-24	2020-01-24 08:48:00	2020-01-24 11:18:00	Landon Hawkins	26°F	Clear	10 MPH	OGI Camera-GFx320 24 I	NONE	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	Trained thermographer; completed 40-hour course in Denve	N/A	N/A
Noble Energy, Inc.	WELLS RANCH AA11 ECONODE T6N-R63W-S11 L01	2020-01-25	2020-01-25 12:37:00	2020-01-25 12:40:00	Jimmie Smith	51°F	Clear	20 MPH	OGI Camera-GFx320 24 I	NONE	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	Trained thermographer; completed 40-hour course in Denve	N/A	N/A
Noble Energy, Inc.	LC11-15 ECONODE T9N-R63W-S11 L01	2020-01-31	2020-01-31 09:38:00	2020-01-31 10:42:00	Matt Ray	39°F	Clear	15 MPH	OGI Camera-GFx320 24 I	NONE	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	Trained thermographer; completed 40-hour course in Denve	N/A	N/A
Noble Energy, Inc.	OSCAR Y10 ECONODE T2N-R64W-S10 L01	2020-02-11	2020-02-11 10:34:00	2020-02-11 12:45:00	Landon Hawkins	26°F	Clear	10 MPH	OGI Camera-GFx320 24 I	NONE	VALVE	13	N/A	N/A	N/A	N/A	N/A	N/A	2020-02-11	N/A	0	N/A	OGI Camera-GFx320 24 ID# 74900113	Trained thermographer; completed 40-hour course in Denve	N/A	N/A
Noble Energy, Inc.	OSCAR Y10 ECONODE T2N-R64W-S10 L01	2020-02-11	2020-02-11 10:34:00	2020-02-11 12:45:00	Landon Hawkins	26°F	Clear	10 MPH	OGI Camera-GFx320 24 I	NONE	PRD - PRV	1	N/A	N/A	N/A	N/A	N/A	N/A	2020-02-11	N/A	0	N/A	OGI Camera-GFx320 24 ID# 74900113	Trained thermographer; completed 40-hour course in Denve	N/A	N/A
Noble Energy, Inc.	Y11 WASTE MANAGEMENT ECONODE T2N-R64W-S11 L01	2020-02-11	2020-02-11 12:52:00	2020-02-11 14:15:00	Landon Hawkins	26°F	Clear	10 MPH	OGI Camera-GFx320 24 I	NONE	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	Trained thermographer; completed 40-hour course in Denve	N/A	N/A
Noble Energy, Inc.	OSCAR Y10 ECONODE T2N-R64W-S10 L02	2020-02-12	2020-02-12 08:18:00	2020-02-12 09:42:00	Landon Hawkins	30°F	Partly Cloudy	10 MPH	OGI Camera-GFx320 24 I	NONE	VALVE	3	N/A	N/A	N/A	N/A	N/A	N/A	2020-02-12	N/A	0	N/A	OGI Camera-GFx320 24 ID# 74900113	Trained thermographer; completed 40-hour course in Denve	N/A	N/A
Noble Energy, Inc.	OSCAR Y10 ECONODE T2N-R64W-S10 L02	2020-02-12	2020-02-12 08:18:00	2020-02-12 09:42:00	Landon Hawkins	30°F	Partly Cloudy	10 MPH	OGI Camera-GFx320 24 I	NONE	CONNECTOR	2	N/A	N/A	N/A	N/A	N/A	N/A	2020-02-12	N/A	0	N/A	OGI Camera-GFx320 24 ID# 74900113	Trained thermographer; completed 40-hour course in Denve	N/A	N/A
Noble Energy, Inc.	OSCAR Y10 ECONODE T2N-R64W-S10 L02	2020-02-12	2020-02-12 08:18:00	2020-02-12 09:42:00	Landon Hawkins	30°F	Partly Cloudy	10 MPH	OGI Camera-GFx320 24 I	NONE	VALVE	1	N/A	N/A	N/A	N/A	N/A	N/A	2020-02-25	N/A	0	N/A	OGI Camera-GFx320 24 ID# 74900113	Trained thermographer; completed 40-hour course in Denve	N/A	N/A
Noble Energy, Inc.	D22-13-A ECONODE T3N-R64W-S22 L01	2020-02-12	2020-02-12 10:17:00	2020-02-12 11:25:00	Landon Hawkins	32°F	Partly Cloudy	10 MPH	OGI Camera-GFx320 24 I	NONE	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	Trained thermographer; completed 40-hour course in Denve	N/A	N/A
Noble Energy, Inc.	EMMY STATE H25-14-A T3N-R65W-S25 L01	2020-02-12	2020-02-12 11:52:00	2020-02-12 13:38:00	Landon Hawkins	37°F	Partly Cloudy	10 MPH	OGI Camera-GFx320 24 I	NONE	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	Trained thermographer; completed 40-hour course in Denve	N/A	N/A
Noble Energy, Inc.	CHECKETTS JERKE T4N-R65W-S15 L01	2020-02-13	2020-02-13 10:29:00	2020-02-13 11:49:00	Landon Hawkins	21°F	Overcast	10 MPH	OGI Camera-GFx320 24 I	NONE	PRD - TH CENTER ASSEMBLY	2	N/A	N/A	N/A	N/A	N/A	N/A	2020-02-13	N/A	0	N/A	OGI Camera-GFx320 24 ID# 74900113	Trained thermographer; completed 40-hour course in Denve	N/A	N/A
Noble Energy, Inc.	CHECKETTS JERKE T4N-R65W-S15 L01	2020-02-13	2020-02-13 10:29:00	2020-02-13 11:49:00	Landon Hawkins	21°F	Overcast	10 MPH	OGI Camera-GFx320 24 I	NONE	VALVE	1	N/A	N/A	N/A	N/A	N/A	N/A	2020-02-13	N/A	0	N/A	OGI Camera-GFx320 24 ID# 74900113	Trained thermographer; completed 40-hour course in Denve	N/A	N/A
Noble Energy, Inc.	CHECKETTS JERKE T4N-R65W-S15 L01	2020-02-13	2020-02-13 10:29:00	2020-02-13 11:49:00	Landon Hawkins	21°F	Overcast	10 MPH	OGI Camera-GFx320 24 I	NONE	VALVE	1	N/A	N/A	N/A	N/A	N/A	N/A	2020-02-14	N/A	0	N/A	OGI Camera-GFx320 24 ID# 74900113	Trained thermographer; completed 40-hour course in Denve	N/A	N/A
Noble Energy, Inc.	CHECKETTS JERKE T4N-R65W-S15 L01	2020-02-13	2020-02-13 10:29:00	2020-02-13 11:49:00	Landon Hawkins	21°F	Overcast	10 MPH	OGI Camera-GFx320 24 I	NONE	VALVE	1	N/A	N/A	N/A	N/A	N/A	N/A	2020-02-19	N/A	0	N/A	OGI Camera-GFx320 24 ID# 74900113	Trained thermographer; completed 40-hour course in Denve	N/A	N/A
Noble Energy, Inc.	DP416 418 D25-04-A ECO GUTTERSEN D23 D25 T3N-R64W-S25 L01	2020-02-13	2020-02-13 10:10:00	2020-02-13 11:53:00	Matt Ray	16°F	Overcast	10 MPH	OGI Camera-GFx320 24 I	NONE	PRD - TH OTHER	1	N/A	N/A	N/A	N/A	N/A	N/A	2020-02-21	N/A	0	N/A	OGI Camera-GFx320 24 ID# 74900075	Trained thermographer; completed 40-hour course in Denve	N/A	N/A
Noble Energy, Inc.	DP416 418 D25-04-A ECO GUTTERSEN D23 D25 T3N-R64W-S25 L01	2020-02-13	2020-02-13 10:10:00	2020-02-13 11:53:00	Matt Ray	16°F	Overcast	10 MPH	OGI Camera-GFx320 24 I	NONE	CONNECTOR	6	N/A	N/A	N/A	N/A	N/A	N/A	2020-02-13	N/A	0	N/A	OGI Camera-GFx320 24 ID# 74900075	Trained thermographer; completed 40-hour course in Denve	N/A	N/A
Noble Energy, Inc.	KUMMER T8N-R61W-S23 L02	2020-02-14	2020-02-14 12:31:00	2020-02-14 13:19:00	Matt Ray	41°F	Partly Cloudy	5 MPH	OGI Camera-GFx320 24 I	NONE	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	Trained thermographer; completed 40-hour course in Denve	N/A	N/A
Noble Energy, Inc.	LD19-16 ECONODE T9N-R58W-S19 L01	2020-02-18	2020-02-18 08:42:00	2020-02-18 09:26:00	Matt Ray	25°F	Clear	10 MPH	OGI Camera-GFx320 24 I	NONE	VALVE	1	N/A	N/A	N/A	N/A	N/A	N/A	2020-02-18	N/A	0	N/A	OGI Camera-GFx320 24 ID# 74900075	Trained thermographer; completed 40-hour course in Denve	N/A	N/A
Noble Energy, Inc.	LC24-6 ECONODE T9N-R59W-S24 L01	2020-02-18	2020-02-18 09:58:00	2020-02-18 11:00:00	Matt Ray	33°F	Clear	10 MPH	OGI Camera-GFx320 24 I	NONE	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	Trained thermographer; completed 40-hour course in Denve	N/A	N/A
Noble Energy, Inc.	LC22 - A ECONODE T9N-R59W-S22 L01	2020-02-18	2020-02-18 11:22:00	2020-02-18 12:24:00	Matt Ray	36°F	Clear	10 MPH	OGI Camera-GFx320 24 I	NONE	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	Trained thermographer; completed 40-hour course in Denve	N/A	N/A
Noble Energy, Inc.	LC22 - B ECONODE T9N-R59W-S22 L01	2020-02-19	2020-02-19 09:14:00	2020-02-19 09:30:00	Matt Ray	20°F	Snow	15 MPH	OGI Camera-GFx320 24 I	NONE	VALVE	3	N/A	N/A	N/A	N/A	N/A	N/A	2020-02-19	N/A	0	N/A	OGI Camera-GFx320 24 ID# 74900075	Trained thermographer; completed 40-hour course in Denve	N/A	N/A
Noble Energy, Inc.	LC34 ECONODE T9N-R59W-S34 L01	2020-02-19	2020-02-19 09:53:00	2020-02-19 10:21:00	Matt Ray	20°F	Snow	15 MPH	OGI Camera-GFx320 24 I	NONE	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	Trained thermographer; completed 40-hour course in Denve	N/A	N/A
Noble Energy, Inc.	LAPP A13 ECONODE T6N-R64W-S13 L01	2020-03-01	2020-03-01 08:53:00	2020-03-01 09:33:00	Matt Ray	34°F	Overcast	20 MPH	OGI Camera-GFx320 24 I	NONE	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	Trained thermographer; completed 40-hour course in Denve	N/A	N/A
Noble Energy, Inc.	WELLS RANCH STATE BB03 ECONODE T5N-R63W-S3 L01	2020-03-01	2020-03-01 10:04:00	2020-03-01 11:56:00	Matt Ray	40°F	Overcast	20 MPH	OGI Camera-GFx320 24 I	NONE	VALVE	3	N/A	N/A	N/A	N/A	N/A	N/A	2020-03-17	N/A	0	N/A	OGI Camera-GFx320 24 ID# 74900075	Trained thermographer; completed 40-hour course in Denve	N/A	N/A
Noble Energy, Inc.	CROW CREEK ST AC36 & AA01 ECONODE T7N-R63W-S36 L01	2020-03-04	2020-03-04 08:22:00	2020-03-04 09:06:00	Matt Ray	30°F	Clear	10 MPH	OGI Camera-GFx320 24 I	NONE	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	Trained thermographer; completed 40-hour course in Denve	N/A	N/A
Noble Energy, Inc.	HARPER-KONA A21 ECONODE T6N-R64W-S21 L01	2020-03-04	2020-03-04 13:29:00	2020-03-04 14:27:00	Matt Ray	64°F	Partly Cloudy	10 MPH	OGI Camera-GFx320 24 I	NONE	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	Trained thermographer; completed 40-hour course in Denve	N/A	N/A
Noble Energy, Inc.	BOULTER T4N-R65W-S11 L03	2020-03-05	2020-03-05 07:45:00	2020-03-05 08:24:00	Landon Hawkins	28°F	Clear	10 MPH	OGI Camera-GFx320 24 I	NONE	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	Trained thermographer; completed 40-hour course in Denve	N/A	N/A
Noble Energy, Inc.	DOROTHY STATE LG01-16 ECONODE T8N-R59W-S4 L01	2020-03-05	2020-03-05 09:11:00	2020-03-05 09:51:00	Matt Ray	35°F	Clear	15 MPH	OGI Camera-GFx320 24 I	NONE	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	Trained thermographer; completed 40-hour course in Denve	N/A	N/A
Noble Energy, Inc.	JOHNSON T4N-R65W-S12 L01	2020-03-05	2020-03-05 10:08:00	2020-03-05 10:45:00	Landon Hawkins	41°F	Clear	10 MPH	OGI Camera-GFx320 24 I	NONE	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	Trained thermographer; completed 40-hour course in Denve	N/A	N/A
Noble Energy, Inc.	WELLS RANCH AA21 ECONODE T6N-R63W-S21 L01	2020-03-07	2020-03-07 12:05:00	2020-03-07 12:24:00	Jimmie Smith	64°F	Partly Cloudy	5 MPH	OGI Camera-GFx320 24 I	NONE	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	Trained thermographer; completed 40-hour course in Denve	N/A	N/A
Noble Energy, Inc.	WELLS RANCH STATE A36 ECONODE T6N-R63W-S31 L01	2020-03-07	2020-03-07 12:52:00	2020-03-07 13:08:00	Jimmie Smith	64°F	Partly Cloudy	5 MPH	OGI Camera-GFx320 24 I	NONE	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	Trained thermographer; completed 40-hour course in Denve	N/A	N/A
Noble Energy, Inc.	WELLS RANCH BB01 AF05 ECONODE T5N-R63W-S1 L01	2020-03-08	2020-03-08 13:25:00	2020-03-08 13:26:00	Jimmie Smith	66°F	Partly Cloudy	6 MPH	OGI Camera-GFx320 24 I	NONE	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	Trained thermographer; completed 40-hour course in Denve	N/A	N/A
Noble Energy, Inc.	WELLS RANCH/WELLS RANCH STATE AF08 ECONODE T5N-R62W-S8 L01	2020-03-08	2020-03-08 13:54:00	2020-03-08 14:44:00	Jimmie Smith	66°F	Partly Cloudy	6 MPH	OGI Camera-GFx320 24 I	NONE	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	Trained thermographer; completed 40-hour course in Denve	N/A	N/A
Noble Energy, Inc.	LARSON AA19 ECONODE T6N-R63W-S19 L01	2020-03-10	2020-03-10 08:34:00	2020-03-10 08:55:00	Jimmie Smith	33°F	Partly Cloudy	3 MPH	OGI Camera-GFx320 24 I	NONE	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	Trained thermographer; completed 40-hour course in Denve	N/A	N/A
Noble Energy, Inc.	AGGIE-COLT AA17 ECONODE T6N-R63W-S17 L01	2020-03-10	2020-03-10 14:23:00	2020-03-10 15:12:00	Jimmie Smith	59°F	Partly Cloudy	8 MPH	OGI Camera-GFx320 24 I	NONE	VALVE	1	N/A	N/A	N/A	N/A	N/A	N/A	2020-03-24	N/A	0	N/A	OGI Camera-GFx320 24 ID# 74900075	Trained thermographer; completed 40-hour course in Denve	N/A	N/A
Noble Energy, Inc.	LD07-01 ECONODE T9N-R58W-S7 L01	2020-03-12	2020-03-12 13:00:00	2020-03-12 15:01:00	Matt Ray	41°F	Overcast	20 MPH	OGI Camera-GFx320 24 I	NONE	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	Trained thermographer; completed 40-hour course in Denve	N/A	N/A
Noble Energy, Inc.	LC25 ECONODE T9N-R59W-S25 L01	2020-03-15	2020-03-15 09:45:00	2020-03-15 11:03:00	Matt Ray	32°F	Overcast	10 MPH	OGI Camera-GFx320 24 I	NONE	SEAL	1	N/A	N/A	N/A	N/A	N/A	N/A	2020-03-30	N/A	0	N/A	OGI Camera-GFx320 24 ID# 74900075	Trained thermographer; completed 40-hour course in Denve	N/A	N/A
Noble Energy, Inc.	INDEPENDENCE D19-01-A T3N-R64W-S19 L01	2020-03-15	2020-03-15 13:21:00	2020-03-15 14:15:00	Matt Ray	45°F	Partly Cloudy	5 MPH	OGI Camera-GFx320 24 I	NONE	CONNECTOR	1	N/A	N/A	N/A	N/A	N/A	N/A	2020-03-15	N/A	0	N/A	OGI Camera-GFx320 24 ID# 74900075	Trained thermographer; completed 40-hour course in Denve	N/A	N/A
Noble Energy, Inc.	BOULTER JOHNSON ERICKSON HBR T4N-R64W-S10 L01	2020-03-31	2020-03-31 10:16:00	2020-03-31 10:58:00	Matt Ray	53°F	Clear	10 MPH	OGI Camera-GFx320 24 I	NONE	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	Trained thermographer; completed 40-hour course in Denve	N/A	N/A
Noble Energy, Inc.	LEE BOIKO T4N-R65W-S15 L01	2020-04-09	2020-04-09 07:44:00	2020-04-09 08:11:00	Landon Hawkins	34°F	Clear	10 MPH	OGI Camera-GFx320 24 I	NONE	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	Trained thermographer; completed 40-hour course in Denve	N/A	N/A
Noble Energy, Inc.	DP420 DD29-13-A ECO GUTTERSEN DD30 T3N-R63W-29 L01	2020-04-09	2020-04-09 10:11:00	2020-04-09 10:52:00	Matt Ray	46°F	Clear	10 MPH	OGI Camera-GFx320 24 I	NONE	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	Trained thermographer; completed 40-hour course in Denve	N/A	N/A
Noble Energy, Inc.	DILLARD SHABLE USX T7N-R64W-S11 L01	2020-04-19	2020-04-19 08:28:00	2020-04-19 09:07:00	Jimmie Smith	38°F	Clear	8 MPH	OGI Camera-GFx320 24 I	NONE	VALVE	1	N/A	N/A	N/A	N/A	N/A	N/A	2020-05-15	N/A	0	N/A	OGI Camera-GFx320 24 ID# 74900075	Trained thermographer; completed 40-hour course in Denve	N/A	N/A
Noble Energy, Inc.	WELLS RANCH AA25 & 26 ECONODE T6N-R63W-S25 L01	2020-04-19	2020-04-19 10:14:00	2020-04-19 11:47:00	Jimmie Smith	48°F	Clear	8 MPH	OGI Camera-GFx320 24 I	NONE	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	Trained thermographer; completed 40-hour course in Denve	N/A	N/A
Noble Energy, Inc.	WELLS RANCH AE20 ECONODE T6N-R62W-S20 L01	2020-04-19	2020-04-19 13:48:00	2020-04-19 13:48:00	Jimmie Smith	48°F	Partly Cloudy	8 MPH	OGI Camera-GFx320 24 I	NONE	VALVE	1	N/A	N/A	N/A	N/A	N/A	N/A	2020-04-19	N/A	0	N/A	OGI Camera-GFx320 24 ID# 74900075	Trained thermographer; completed 40-hour course in Denve	N/A	N/A
Noble Energy, Inc.	DP124 125 BB07-14 ECO SLW RANCH ST BB07 BB18 T5N R63W S7 L01	2020-04-23	2020-04-23 11:51:00	2020-04-23 12:19:00	Matt Ray	65°F	Overcast	15 MPH	OGI Camera-GFx320 24 I	NONE	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	Trained thermographer; completed 40-hour course in Denve	N/A	N/A
Noble Energy, Inc.	DIETRICH T4N-R64W-S7 L01	2020-04-23	2020-04-23 14:25:00	2020-04-23 14:27:00	Landon Hawkins	68°F	Partly Cloudy	10 MPH	OGI Camera-GFx320 24 I	NONE	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	Trained thermographer; completed 40-hour course in Denve	N/A	N/A
Noble Energy, Inc.	WELLS RANCH AA33 ECONODE T6N-R63W-S21 L01	2020-04-30	2020-04-30 08:59:00	2020-04-30 08:57:00	Jimmie Smith	40°F	Partly Cloudy	5 MPH	OGI Camera-GFx320 24 I	NONE	CONNECTOR	1	N/A	N/A	N/A	N/A	N/A	N/A	2020-05-15	N/A	0	N/A	OGI Camera-GFx320 24 ID# 74900075	Trained thermographer; completed 40-hour course in Denve	N/A	N/A
Noble Energy, Inc.	WELLS RANCH AA33 ECONODE T6N-R63W-S21 L01	2020-04-30	2020-04-30 08:59:00	2020-04-30 08:57:00	Jimmie Smith	40°F	Partly Cloudy	5 MPH	OGI Camera-GFx320 24 I	NONE	VALVE	1	N/A	N/A	N/A	N/A	N/A	N/A	2020-05-15	N/A	0	N/A	OGI Camera-GFx320 24 ID# 74900075	Trained thermographer; completed 40-hour course in Denve	N/A	N/A
Noble Energy, Inc.	WELLS RANCH BB11 ECONODE T5N-R63W-S11 L01	2020-04-30	2020-04-30 09:35:00	2020-04-30 10:30:00	Jimmie Smith	60°F	Partly Cloudy	5 MPH	OGI Camera-GFx320 24 I	NONE	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	Trained thermographer; completed 40-hour course in Denve	N/A	N/A
Noble Energy, Inc.	WELLS RANCH AE32 ECONODE T6N-R62W-S32 L01	2020-04-30	2020-04-30 11:27:00	2020-04-30 12:23:00	Jimmie Smith	60°F	Partly Cloudy	5 MPH	OGI Camera-GFx320 24 I	NONE	CONNECTOR	1	N/A	N/A	N/A	N/A	N/A	N/A	2020-04-30	N/A	0	N/A	OGI Camera-GFx320 24 ID# 74900075	Trained thermographer; completed 40-hour course in Denve	N/A	N/A
Noble Energy, Inc.	EMMY STATE H25-14-A T3N-R65W-S25 L01	2020-05-07	2020-05-07 13:24:00	2020-05-07 14:21:00	Matt Ray	73°F	Clear	15 MPH	OGI Camera-GFx320 24 I	NONE	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	Trained thermographer; completed 40-hour course in Denve	N/A	N/A
Noble Energy, Inc.	HURLEY H26-11-A ECONODE T3N-R65W-S26 L01	2020-05-07	2020-05-07 14:30:00	2020-05-07 15:14:00	Matt Ray	73°F	Clear	15 MPH	OGI Camera-GFx320 24 I	NONE	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	Trained thermographer; completed 40-hour course in Denve	N/A	N/A

40 CFR Part 60 - Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015 - 60.5420a(b) Annual Report

For the collection of fugitive emissions components at each well site and the collection of fugitive emissions components at each compressor station within the company-defined area, an owner or operator must include the records of each monitoring survey including the information specified in paragraphs (b)(7)(i) through (xii) of this section in all annual reports:

The asterisk (*) next to each field indicates that the corresponding field is required.

																								OGI	Compressor Station Affected Facility Only	
Facility Record No. * (Select from dropdown list - may need to scroll up)	Identification of Each Affected Facility * (§60.5420a(b)(1))	Date of Survey * (§60.5420a(b)(7)(i))	Survey Begin Time * (§60.5420a(b)(7)(i))	Survey End Time * (§60.5420a(b)(7)(ii))	Name of Surveyor * (§60.5420a(b)(7)(iii))	Ambient Temperature During Survey * (§60.5420a(b)(7)(iv))	Sky Conditions During Survey * (§60.5420a(b)(7)(iv))	Maximum Wind Speed During Survey * (§60.5420a(b)(7)(iv))	Monitoring Instrument Used * (§60.5420a(b)(7)(v))	Deviations From Monitoring Plan (If none, state none.) * (§60.5420a(b)(7)(vi))	Type of Component for which Fugitive Emissions Detected * (§60.5420a(b)(7)(vii))	Number of Each Component Type for which Fugitive Emissions Detected * (§60.5420a(b)(7)(vii))	Type of Component Not Repaired as Required in §60.5397a(h) * (§60.5420a(b)(7)(viii))	Number of Each Component Type Not Repaired as Required in § 60.5397a(h) * (§60.5420a(b)(7)(viii))	Type of Difficult-to-Monitor Components Monitored * (§60.5420a(b)(7)(ix))	Number of Each Difficult-to-Monitor Component Type Monitored * (§60.5420a(b)(7)(ix))	Type of Unsafe-to-Monitor Component Monitored * (§60.5420a(b)(7)(ix))	Number of Each Unsafe-to-Monitor Component Type Monitored * (§60.5420a(b)(7)(ix))	Date of Successful Repair of Fugitive Emissions Component * (§60.5420a(b)(7)(x))	Type of Component Placed on Delay of Repair * (§60.5420a(b)(7)(xi))	Number of Each Component Type Placed on Delay of Repair * (§60.5420a(b)(7)(xi))	Explanation for Delay of Repair * (§60.5420a(b)(7)(xi))	Type of Instrument Used to Resurvey Repaired Components Not Repaired During Original Survey * (§60.5420a(b)(7)(xii))	Training and Experience of Surveyor * (§60.5420a(b)(7)(iii))	Was a monitoring survey waived under § 60.5397a(g)(5)? * (§60.5420a(b)(7))	If a monitoring survey was waived, the calendar months that make up the quarterly monitoring period for which the monitoring survey was waived. * (§60.5420a(b)(7))
	e.g.: Well Site ABC	e.g.: 8/13/17	e.g.: 10:00 am	e.g.: 1:00 pm	e.g.: John Smith	e.g.: 90°F	e.g.: Sunny, no clouds	e.g.: 2 mph	e.g.: Company ABC optical gas imaging camera	e.g.: None	e.g.: Valve	e.g.: 3	e.g.: Valve	e.g.: 1	e.g.: Valve	e.g.: 1	e.g.:Valve	e.g.: 1	e.g.: 11/10/16	e.g.: Valve	e.g.: 1	e.g.: Unsafe to repair until next shutdown	e.g.: Company ABC optical gas imaging camera	e.g.: Trained thermographer; completed 40-hour course at XYZ Training Center. Has 10 years of experience with OGI surveys.	e.g.: Yes	e.g.: January; February; and March
Noble Energy, Inc.	D22-13-A ECONODE T3N-R64W-S22 L01	2020-07-05	2020-07-05 08:06:00	2020-07-05 08:57:00	Matt Ray	66°F	Clear	5 MPH	OGI Camera-GFx320 24 I	NONE	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	Trained thermographer; completed 40-hour course in Denve	N/A	N/A
Noble Energy, Inc.	HULLABALOO Y16-28-A ECONODE T2N R64W S16 L01	2020-07-05	2020-07-05 10:36:00	2020-07-05 11:48:00	Matt Ray	82°F	Clear	5 MPH	OGI Camera-GFx320 24 I	NONE	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	Trained thermographer; completed 40-hour course in Denve	N/A	N/A
Noble Energy, Inc.	JOHNSON T4N-R65W-S12 L01	2020-07-05	2020-07-05 13:54:00	2020-07-05 14:26:00	Matt Ray	87°F	Clear	5 MPH	OGI Camera-GFx320 24 I	NONE	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	Trained thermographer; completed 40-hour course in Denve	N/A	N/A
Noble Energy, Inc.	BOULTER T4N-R65W-S11 L03	2020-07-05	2020-07-05 14:51:00	2020-07-05 15:13:00	Matt Ray	92°F	Partly Cloudy	5 MPH	OGI Camera-GFx320 24 I	NONE	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	Trained thermographer; completed 40-hour course in Denve	N/A	N/A
Noble Energy, Inc.	70 RANCH STATE BB17 ECONODE T5N-R63W-S17 L01	2020-07-06	2020-07-06 06:53:00	2020-07-06 07:34:00	Matt Ray	60°F	Clear	5 MPH	OGI Camera-GFx320 24 I	NONE	VALVE	1	N/A	N/A	N/A	N/A	N/A	N/A	2020-07-16	N/A	0	N/A	OGI Camera-GFx320 24 ID# 74900075	Trained thermographer; completed 40-hour course in Denve	N/A	N/A
Noble Energy, Inc.	G35 CENTENNIAL STATE ECONODE T4N-R65W-S35 L01	2020-07-06	2020-07-06 12:44:00	2020-07-06 13:36:00	Matt Ray	96°F	Clear	5 MPH	OGI Camera-GFx320 24 I	NONE	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	Trained thermographer; completed 40-hour course in Denve	N/A	N/A
Noble Energy, Inc.	LC24-6 ECONODE T9N-R59W-S24 L01	2020-07-07	2020-07-07 07:44:00	2020-07-07 08:35:00	Matt Ray	65°F	Partly Cloudy	10 MPH	OGI Camera-GFx320 24 I	NONE	CONNECTOR	1	N/A	N/A	N/A	N/A	N/A	N/A	2020-07-24	N/A	0	N/A	OGI Camera-GFx320 24 ID# 74900075	Trained thermographer; completed 40-hour course in Denve	N/A	N/A
Noble Energy, Inc.	LD19-16 ECONODE T9N-R58W-S19 L01	2020-07-07	2020-07-07 09:29:00	2020-07-07 10:29:00	Matt Ray	85°F	Partly Cloudy	10 MPH	OGI Camera-GFx320 24 I	NONE	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	Trained thermographer; completed 40-hour course in Denve	N/A	N/A
Noble Energy, Inc.	LC11-15 ECONODE T9N-R63W-S11 L01	2020-07-07	2020-07-07 11:47:00	2020-07-07 12:29:00	Matt Ray	93°F	Partly Cloudy	10 MPH	OGI Camera-GFx320 24 I	NONE	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	Trained thermographer; completed 40-hour course in Denve	N/A	N/A
Noble Energy, Inc.	WELLS RANCH AA11 ECONODE T6N-R63W-S11 L01	2020-07-08	2020-07-08 08:02:00	2020-07-08 08:04:00	Landon Hawkins	64°F	Clear	10 MPH	OGI Camera-GFx320 24 I	NONE	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	Trained thermographer; completed 40-hour course in Denve	N/A	N/A
Noble Energy, Inc.	WELLS RANCH AE30 ECONODE T6N-R62W-29 L01	2020-07-08	2020-07-08 10:26:00	2020-07-08 10:32:00	Landon Hawkins	78°F	Clear	10 MPH	OGI Camera-GFx320 24 I	NONE	VALVE	1	N/A	N/A	N/A	N/A	N/A	N/A	2020-07-08	N/A	0	N/A	OGI Camera-GFx320 24 ID# 74900113	Trained thermographer; completed 40-hour course in Denve	N/A	N/A
Noble Energy, Inc.	WELLS RANCH AE30 ECONODE T6N-R62W-29 L01	2020-07-08	2020-07-08 10:26:00	2020-07-08 10:32:00	Landon Hawkins	78°F	Clear	10 MPH	OGI Camera-GFx320 24 I	NONE	CONNECTOR	2	N/A	N/A	N/A	N/A	N/A	N/A	2020-07-08	N/A	0	N/A	OGI Camera-GFx320 24 ID# 74900113	Trained thermographer; completed 40-hour course in Denve	N/A	N/A
Noble Energy, Inc.	MOSER H22 H34 ECONODE T3N-R65W-S27 L01	2020-07-08	2020-07-08 12:48:00	2020-07-08 13:32:00	Matt Ray	90°F	Clear	10 MPH	OGI Camera-GFx320 24 I	NONE	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	Trained thermographer; completed 40-hour course in Denve	N/A	N/A
Noble Energy, Inc.	WELLS RANCH BB01 AF05 ECONODE T5N-R63W-S1 L01	2020-07-09	2020-07-09 09:18:00	2020-07-09 10:23:00	Landon Hawkins	75°F	Clear	10 MPH	OGI Camera-GFx320 24 I	NONE	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	Trained thermographer; completed 40-hour course in Denve	N/A	N/A
Noble Energy, Inc.	WELLS RANCH/WELLS RANCH STATE AF08 ECONODE T5N-R62W-S8 L01	2020-07-09	2020-07-09 10:48:00	2020-07-09 12:11:00	Landon Hawkins	84°F	Clear	10 MPH	OGI Camera-GFx320 24 I	NONE	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	Trained thermographer; completed 40-hour course in Denve	N/A	N/A
Noble Energy, Inc.	OSCAR Y10 ECONODE T2N-R64W-S10 L02	2020-07-09	2020-07-09 15:16:00	2020-07-09 15:19:00	Jimmie Smith	89°F	Clear	9 MPH	OGI Camera-GFx320 24 I	NONE	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	Trained thermographer; completed 40-hour course in Denve	N/A	N/A
Noble Energy, Inc.	HARPER-KONA A21 ECONODE T6N-R64W-S21 L01	2020-07-13	2020-07-13 16:20:00	2020-07-13 16:21:00	Jimmie Smith	88°F	Partly Cloudy	7 MPH	OGI Camera-GFx320 24 I	NONE	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	Trained thermographer; completed 40-hour course in Denve	N/A	N/A
Noble Energy, Inc.	SHADOW AA30 ECONODE T9N-R63W-S30 L01	2020-07-16	2020-07-16 15:43:00	2020-07-16 15:44:00	Matt Ray	97°F	Partly Cloudy	10 MPH	OGI Camera-GFx320 24 I	NONE	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	Trained thermographer; completed 40-hour course in Denve	N/A	N/A
Noble Energy, Inc.	INDEPENDENCE D19-01-A T3N-R64W-S19 L01	2020-07-18	2020-07-18 09:44:00	2020-07-18 10:22:00	Matt Ray	85°F	Partly Cloudy	10 MPH	OGI Camera-GFx320 24 I	NONE	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	Trained thermographer; completed 40-hour course in Denve	N/A	N/A
Noble Energy, Inc.	EMMY STATE H25-14-A T3N-R65W-S25 L01	2020-07-18	2020-07-18 10:32:00	2020-07-18 11:30:00	Matt Ray	92°F	Partly Cloudy	10 MPH	OGI Camera-GFx320 24 I	NONE	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	Trained thermographer; completed 40-hour course in Denve	N/A	N/A
Noble Energy, Inc.	HURLEY H26-11-A ECONODE T3N-R65W-S26 L01	2020-07-18	2020-07-18 11:48:00	2020-07-18 12:32:00	Matt Ray	97°F	Partly Cloudy	10 MPH	OGI Camera-GFx320 24 I	NONE	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	Trained thermographer; completed 40-hour course in Denve	N/A	N/A
Noble Energy, Inc.	LD28 GREYSON-BRECKEN T9N-R58W-S28 L01	2020-07-20	2020-07-20 07:23:00	2020-07-20 08:19:00	Matt Ray	60°F	Clear	10 MPH	OGI Camera-GFx320 24 I	NONE	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	Trained thermographer; completed 40-hour course in Denve	N/A	N/A
Noble Energy, Inc.	LD22-A ECONODE T9N-R58W-S22 L01	2020-07-20	2020-07-20 08:31:00	2020-07-20 09:15:00	Matt Ray	66°F	Clear	10 MPH	OGI Camera-GFx320 24 I	NONE	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	Trained thermographer; completed 40-hour course in Denve	N/A	N/A
Noble Energy, Inc.	LD07-01 ECONODE T9N-R58W-S7 L01	2020-07-20	2020-07-20 10:35:00	2020-07-20 11:25:00	Matt Ray	77°F	Clear	10 MPH	OGI Camera-GFx320 24 I	NONE	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	Trained thermographer; completed 40-hour course in Denve	N/A	N/A
Noble Energy, Inc.	LC25 ECONODE T9N-R59W-S25 L01	2020-07-20	2020-07-20 12:12:00	2020-07-20 13:54:00	Matt Ray	81°F	Clear	10 MPH	OGI Camera-GFx320 24 I	NONE	PRD - TH OTHER	1	N/A	N/A	N/A	N/A	N/A	N/A	2020-07-20	N/A	0	N/A	OGI Camera-GFx320 24 ID# 74900075	Trained thermographer; completed 40-hour course in Denve	N/A	N/A
Noble Energy, Inc.	LC25 ECONODE T9N-R59W-S25 L01	2020-07-20	2020-07-20 12:12:00	2020-07-20 13:54:00	Matt Ray	81°F	Clear	10 MPH	OGI Camera-GFx320 24 I	NONE	PRD - PRV	1	N/A	N/A	N/A	N/A	N/A	N/A	2020-07-20	N/A	0	N/A	OGI Camera-GFx320 24 ID# 74900075	Trained thermographer; completed 40-hour course in Denve	N/A	N/A
Noble Energy, Inc.	LC25 ECONODE T9N-R59W-S25 L01	2020-07-20	2020-07-20 12:12:00	2020-07-20 13:54:00	Matt Ray	81°F	Clear	10 MPH	OGI Camera-GFx320 24 I	NONE	VALVE	1	N/A	N/A	N/A	N/A	N/A	N/A	2020-07-24	N/A	0	N/A	OGI Camera-GFx320 24 ID# 74900075	Trained thermographer; completed 40-hour course in Denve	N/A	N/A
Noble Energy, Inc.	AGGIE-COLT AA17 ECONODE T6N-R63W-S17 L01	2020-07-22	2020-07-22 09:41:00	2020-07-22 10:33:00	Matt Ray	70°F	Partly Cloudy	10 MPH	OGI Camera-GFx320 24 I	NONE	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	Trained thermographer; completed 40-hour course in Denve	N/A	N/A
Noble Energy, Inc.	Y11 WASTE MANAGEMENT ECONODE T2N-R64W-S11 L01	2020-07-23	2020-07-23 11:11:00	2020-07-23 11:14:00	Jimmie Smith	84°F	Partly Cloudy	6 MPH	OGI Camera-GFx320 24 I	NONE	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	Trained thermographer; completed 40-hour course in Denve	N/A	N/A
Noble Energy, Inc.	LARSON AA19 ECONODE T6N-R63W-S19 L01	2020-07-23	2020-07-23 11:07:00	2020-07-23 11:52:00	Matt Ray	70°F	Overcast	5 MPH	OGI Camera-GFx320 24 I	NONE	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	Trained thermographer; completed 40-hour course in Denve	N/A	N/A
Noble Energy, Inc.	OSCAR Y10 ECONODE T2N-R64W-S10 L01	2020-07-23	2020-07-23 11:22:00	2020-07-23 12:05:00	Jimmie Smith	84°F	Partly Cloudy	6 MPH	OGI Camera-GFx320 24 I	NONE	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	Trained thermographer; completed 40-hour course in Denve	N/A	N/A

40 CFR Part 60 - Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015 - 60.5420a(b) Annual Report

For each pneumatic pump affected facility, an owner or operator must include the information specified in paragraphs (b)(8)(i) through (iii) of this section in all annual reports:

The asterisk (*) next to each field indicates that the corresponding field is required.

					Pneumatic Pumps Previously Reported that have a Change in Reported Condition During the Reporting Period				
Facility Record No. * **(Select from dropdown list -** *may need to scroll up* **)**	Identification of Each Pump * (§60.5420a(b)(1))	Was the pneumatic pump constructed, modified, or reconstructed during the reporting period? * (§60.5420a(b)(8)(i))	Which condition does the pneumatic pump meet? * (§60.5420a(b)(8)(i))	If your route emissions to a control device and the control device is designed to achieve <95% emissions reduction, specify the percent emissions reduction. * (§60.5420a(b)(8)(i)(C))	Identification of Each Pump * (§60.5420a(b)(8)(ii))	Date Previously Reported* (§60.5420a(b)(8)(ii))	Which condition does the pneumatic pump meet? * (§60.5420a(b)(8)(ii))	If you now route emissions to a control device and the control device is designed to achieve <95% emissions reduction, specify the percent emissions reduction. * (§60.5420a(b)(8)(ii) and §60.5420a(b)(8)(i)(C))	Records of deviations where the pneumatic pump was not operated in compliance with requirements* (§60.5420a(b)(8)(iii) and §60.5420a(c)(16)(ii))
	e.g.: Pump 12-e-2	e.g.: modified	e.g.: Emissions are routed to a control device or process	e.g.: 90%	e.g.: Pump 12-e-2	e.g.: 10/15/17	e.g.: Control device/process removed and technically infeasible to route elsewhere	e.g.: 90%	e.g.: deviation of the CVS inspections
Noble Energy, Inc.	**Not applicable. Noble Energy, Inc. did not operate any pneumatic pump affected facilities at its assets in Weld County, CO during the August 2, 2019 through August 1, 2020 reporting period.**								